SERVICE MANUAL

AEP Model Chassis No. SCC-F09D-A



Video signal

Color system Resolution Frequency response

PAL, SECAM, NTSC3.58, NTSC4.43 250 TV lines 6.0 MHz (-3.0 dB) at all inputs

Synchronization AFC time constant 1.0 msec.

Picture performance

Normal scan

6% over scan of CRT effective

Underscan

screen area 3% underscan of CRT effective screen area

H. linearity V. linearity Convergence

Less than 7.0% (typical) Less than 7.0% (typical) Central area: 0.50 mm (typical) Peripheral area: 0.60 mm (typical)

Raster size stability H: 1.0%, V: 1.5%

High voltage regulation

3.0% Color temperature

Inputs and Outputs

Inputs

VIDEO IN: BNC connector

1 Vp-p ±6 dB, sync negative AUDIO IN: phono jack, -5 dBs, less

than 47 kohms R/R-Y, G/Y, B/B-Y: BNC connector R, G, B channels: 0.7 Vp-p, ±6 dB

Sync on green: 0.3 Vp-p. negative,75 ohms terminated R-Y, Y, B-Y channels:

0.7 Vp-p, ±6 dB (standard color bar signal of 100% chrominance)

SPECIFICATIONS

EXT SYNC IN: BNC connector Composite sync 4 Vp-p, ±6 dB, negative

Loop-through outputs

VIDEO OUT: BNC connector

75 ohms terminated AUDIO OUT: phong jack

Remote input REMOTE: 8-pin mini DIN

connector (See the pin assign ment on the right side of this

page) Audio Output level 0.5 W

General

Power consumption 40 W at AC operation

40 W at DC operation Power requirements

100 - 240 V AC, 50/60 Hz 12 V DC, with the Sony (NP-1A/1B)

battery pack (not supplied) or AC-500/500CE AC power adaptor

(not supplied)

Operating temperature range 0 - 35°C

Storage temperature range

-10 - +40°C

Humidity 0 - 90%

Continued on next page

TRINITRON® COLOR VIDEO MONITOR SONY



VM-6041QM

Approx. $146 \times 173 \times 352.5$ mm (w/h/d) $(5^3/4 \times 6^7/8 \times 14$ inches)

Weight

not incl. projecting parts and controls Approx. 5.5 kg (12 lb 2 oz)

not incl. battery packs AC power cord (1)

Accessory supplied

Cable with an 8-pin connector AC Plug holders (1 set)

Pin Assignment

REMOTE connector (8-pin mini DIN)



Pin No.	Signal		
1	Blue only		
2	H/V delay		
3	GND		
4	INT/EXT SYNC		
5	-		
6	Underscan/normal scan		
7	RGB/Y R-Y B-Y		
8	RGB/LINE		

For remote control, connect the pin of the desired function to pin 3 (GND).

Design and specifications are subject to change without

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(CAUTION)

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAPTOTHEMETAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.

THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK & ON THE SOCHEMATE OBJARAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION, REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL FOLLOW THESE PROCEDURES WHENEVER CRITICAL TO OMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUPPLEMENTED.

SECTION 1 GENERAL

1-1. FEATURES

Four color systems available

The monitor can display PAL, SECAM, NTSC3 se and NTSC4.43* signals. The appropriate color system is selected automatically.

A signal of NTSC_{4.43} is used for playing back NTSC recorded video cassettes with a video tape recorder/player especially designed for use with this system.

Blue only picture

The picture can be displayed in blue and black only. This facilitates hue adjustment and the observation of video noise.

Analog RGB/component input connectors

Analog RGB or component (Y, R-Y, and B-Y) signals from video equipment can be input through these connectors.

Beam current feedback circuit

The built-in beam current feedback circuit assures stable white balance.

Comb fitter

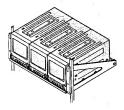
When NTSC video signals are received, a comb filter activates to increase the resolution, resulting in fine picture detail without color soill or color noise.

Automatic termination of BNC connectors

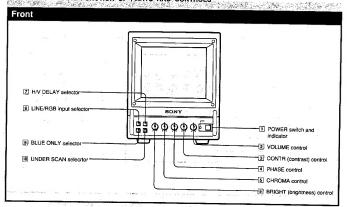
The rear BNC input connectors are internally terminated 75 ohms when nothing is connected to the output connector (VIDEO OUT). However, this impedance limit is automatically removed when a cable is plugged into the output connector, and the signal is looped-through as it is.

EIA standard 19-inch rack mounting

By using an MB-507 mounting bracket (not supplied), the monitor can be mounted in an EIA standard 19-inch rack. For details on mounting, see the instruction manual of the MB-507.



1-2, LOCATION AND FUNCTION OF PARTS AND CONTROLS



POWER switch and indicator

Depress to turn the monitor on. The indicator will light up in green.

The POWER indicator also functions as the battery indicator. When the internal battery becomes weak or the power supplied through the DC12V IN jack decreases, the indicator flashes.

2 VOLUME control

Turn this control clockwise or counterclockwise to obtain the disired volume,

3 CONTR (contrast) control

Turn clockwise to make the contrast stronger and counterclockwise to make it weaker.

4 PHASE control

Turn clockwise to make the skin tones greenish and counterclockwise to make them purplish.

5 CHROMA control

Turn clockwise to make the color intensity stronger and counterclockwise to make it weaker.

Note

- The PHASE and CHROMA control settings have no effect on an analog RGB signal.
- The PHASE control has no effect on component signals.
- The PHASE control setting is effective only for the NTSC system.

6 BRIGHT (brightness) control

Turn clockwise for more brightness and counterclockwise for less.

7 H/V DELAY selector

Depress this button to observe the horizonfal and vertical sync signals at the same time. The horizontal sync signal is displayed in the left quarter of the screen; the vertical sync signal is displayed near the center of

8 LINE/RGB input selector

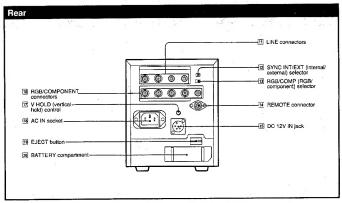
Select the program to be monitored. Keep this button released (LINE) for a signal fed through the LINE connectors. Depress this button (RGB) for a signal fed through the RGB/COMPONENT connectors.

9 BLUE ONLY selector

Depress this button to turn off the red and green signals. A blue signal is displayed as an apparent monochrome picture on the screen. This facilitates "chroma" and "phase" control adjustments and the observation of video noise.

10 UNDER SCAN selector

Depress this button for underscanning. The display size is reduced by approximately 3% so that four corners of the raster are visible.



11 LINE connectors

To monitor the signal fed through these connectors, keep the LINE/RGB selector on the front panel released (LINE).

VIDEO IN (BNC): Connect to the video output of a video camera, VCR or other video equipment.

VIDEO OUT (BNC): Loop-through output of the VIDEO IN connector. Connect to the video input of a VCR or another monitor.

AUDIO IN (phono jack): Connect to the audio output of a VCR or a microphone (through a suitable microphone amplifier).

AUDIO OUT (phono jack): Loop-through output of the AUDIO IN connector. Connect to the audio input of a VCR or another monitor.

SYNC INT/EXT (sync internal/external) selector Select the internal or external sync.

(iii) RGB/CoMP (RGB/component) selector Select the RGB or component (Y, R-Y and B-Y) signal. Keep the LINE/RGB input selector on the front panel depressed (RGB), otherwise the RGB/COMP selector does not function.

REMOTE connector (8-pin mini DIN) Connect to a remote controller. For the pin assignment of this connector, see "Specifications" on page 5.

TB DC 12V IN jack (XLR, 4 pin) Connect the Sony AC-500/500CE AC power adaptor (not supplied).

RGB/COMPONENT input connectors R/R-Y, G/Y, B/B-Y, (BNC), AUDIO (phono): To monitor a signal fed through these connectors, depress the LINE/RGB selector on the front panel (RGB).

To monitor the analog RGB signal Connect to the analog RGB signal outputs of a video camera. Set the RGB/COMP selector to RGB.

To monitor the component signal

Connect to the R-YY/B-Y component signal outputs of a Sony Betacam video camera. Set the RGB/COMP selector to COMP (component).

SYNC (BNC):

To operate the monitor on an external sync, connect the reference signal from a sync generator. Set the SYNC INT/EXT selector to EXT (external).

V HOLD (vertical hold) control Turn to stabilize the picture if it rolls vertically.

AC IN socket Connect the supplied AC power cord to this socket and to a wall outlet.

Press the EJECT button upwards to remove the battery pack.

BATTERY compartment Insert the NP-1A/1B battery pack (not supplied).

1-3. POWER SOURCES

House Current

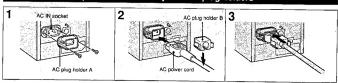
Connect the supplied AC power cord to the AC IN socket and to a wall outlet.



When the AC power cord is plugged into the AC IN socket, the battery pack (if installed) or the AC power adaptor (if connected) is automatically disconnected.

HOWARD IN DETAIL IN

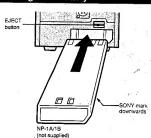
To connect an AC power cord securely with AC plug holders



- 1 Remove the AC IN socket screws and then use them to attach AC plug holder A (supplied) to the AC IN socket.
- 2 Plug the power cord to the AC IN socket. Then, attach the supplied AC plug holder B on top of the AC power cord.
- 3 Slide AC plug holder B over the cord until it connects with AC plug holder A.

To remove the AC power cord
Pull out AC plug holder B by squeezing the left and right sides.

Rechargeable Battery



To remove the battery pack, press the EJECT button upwards.

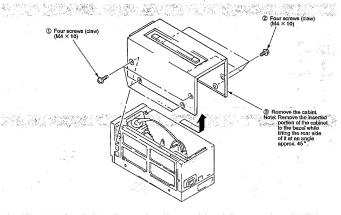
For charging, use the BC-1WA battery charger (not supplied) for the NP-1A or the BC-1WB for the NP-1B.

Note

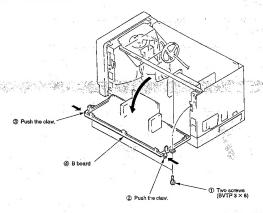
Make sure that the AC power cord and the AC power adaptor are disconnected from the monitor. Otherwise, the monitor cannot operate on the battery pack.

SECTION 2 DISASSEMBLY

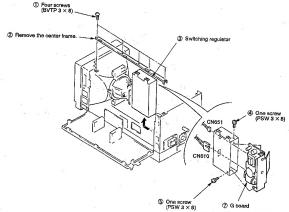
2-1. CABINET REMOVAL



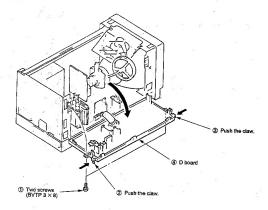
2-2. B BOARD REMOVAL



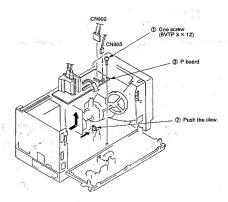
2-3. SWITCHING REGULATOR REMOVAL



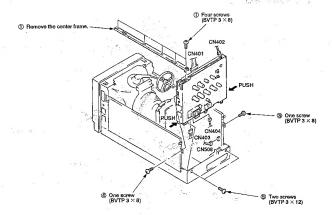
2-4. D BOARD REMOVAL



2-5. P BOARD REMOVAL



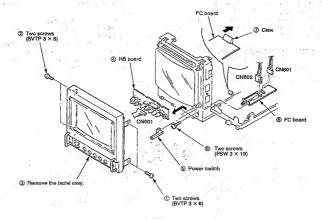
2.6 DEAD ASSV REMOVAL



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2-7. HB AND FC BOARDS REMOVAL



2-8. PICTURE TUBE REMOVAL

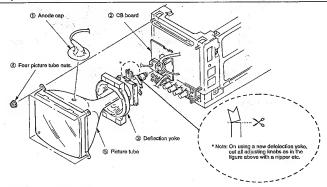
Note: Caution for ANODE CAP installation.

When you replace PICTURE TUBE or FBT, remove RTV on ANODE CAP so that PICTURE TUBE and FBT can be separated. Please adhere picture tube and anode cap in accordance with the following procedure.

ADHERING PROCEDURE OF ANODE CAP.

- Clean PICTURE TUBE ANODE CAP with ethnaol to remove original RTV.
- 2. Dry clean face with air.

- Use KE-490RTV (RTV silicone adhesive, SHIN-ETSU CHEMICAL).
 - Part. No. Description
 7-322-065-19 Silicone (RTV) KE-490W
- 4 Install ANODE CAP
- Adeguately apply RTV to the entire picture tube anode area, piace the anode cap onto the picture tube and push it down securety so that no air pockets remain beneath the cap.
- . Dry more than 12 hours at room temperature.



REMOVAL OF ANODE-CAP

REMOVING PROCEDURES



 Turn up one side of the rubber cap in the direction indicated by the arrow a.



② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow .



When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow (0).

HOW TO HANDLE AN ANODE-CAP

- Don't hurt the surface of anode-caps with sharp shaped material!
 Don't press the rubber hardly not to hurt inside of
- anode-caps!

 A metal fitting called as shatter-hook terminal is built in the rubber.
- 3 Don't turn the foot of rubber over hardly!





SECTION 3 **SET-UP ADJUSTMENTS**

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted,

The control and switch below should be set as follows unless otherwise

CONTRAST control	8096
BRIGHTNESS control	50%

Perform the adjustments in order as follows:

- 3-1. Beam Landing
- 3-2. Convergence 3-3. Focus
- 3-4. White Balance

Note: Test equipment Required.

- 1. Color Bar/Pattern Generator 2009 Species 2. Degausser
- 3. Color Analyzer (Minolta)
- 4. Luminance Level Meter

3-1. BEAM LANDING

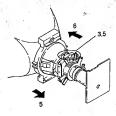
Precaution

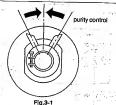
- 1. Set the side of the unit with the PICTURE TUBE so that it faces east or west in order to reduce the influence of external magnetic
- 2. Turn the power switch for the unit ON and erase the magnetic force using a degausser.

(1) Beam Landing

- 1. Receive an entirely white signal with the pattern generator. CONTRAST MAX. BRIGHTNESS set easy to observe
- 2. Adjust the white balance, G2 voltage and convergence roughly.
- 3. Loosen the deflection yoke mounting screw, and set the purity
- control to the center as shown in Fig.3-1. Switch over the pattern generator to green.
- 5. Move the deflection yoke backward, and adjust with the purity control so that green is in the center and blue and red are at the sides, evenly. (Fig.3-2)
- 6. Move the deflection yoke forward, and adjust so that the entire screen becomes green. Repeat 5 to 7 as to red and blue.
- 7. When landing at the corners is not right, correct by using the magnet. (Fig.3-3)
- f. When the position of the deflection yoke is determined, tighten it with a deflection yoke mounting screw.

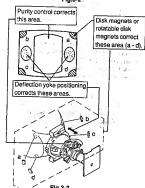
CAUTION: When correction magnet is used, be sure to degauss the unit.







Flg.3-2

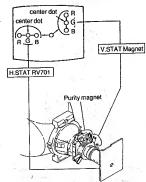


3-2. CONVERGENCE

- Horizontal and vertical Static Convergence Adjustment on the Center of Screen.
- Before starting, perform V. SIZE, V. CENT, H.SIZE, H.CENT and Screen Distortion Adjustment rightly.

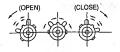
(Static Convergence Adjustment)

- Receive a dot signal, setting BRIGHTNESS minimum and set CONTRAST to normal.
- Adjust H.STAT VR to coincide red, green and blue dots on the center of screen. (Horizontal movement)
- Adjust V.STAT magnet to coincide red, green and blue dots on the center of screen. (Vertical movement)

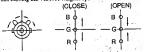


 If the red, green and blue dots do not coincide on the center of screen with H.STAT VR. perform adjustment using V.STAT at the same time while tracking.

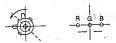
(Tilt the V.STAT magnet and adjust static convergence to open or close the V.STAT magnet.)



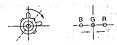
- When the V.STAT magnet is moved in the direction of arrow A and b, red, green and blue dots move as shown below.
- When moving the V.STAT Magnet open or close.



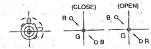
When moving the V.STAT magnet counterclockwise.



3 When moving the V.STAT magnet clockwise.



When tilt the V.STAT magnet and open or close.



- If the red and green dots do not coincide with blue dot, adjustment with BMC (6-poles) magnet.
- 5. HMC and VMC correction for BMC (6-Poles) magnet.
- ① HMC (Horizontal Misconvergence) correction and motion of the Electron Beam with the BMC (6-poles) magnet.

HMC Correction

AAB R G B

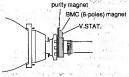
AB R G B

AAB R G B

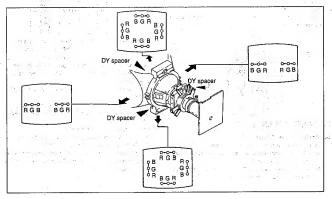
- ② VMC (Vertical Misconvergence) correction and motion of the Electron Beam with the BMC (6-poles) magnet.
 - VMC Correction (A)

 VMC Correction (B)

 VMC Correction (B)

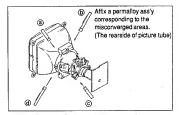


- (2) Horizontal and Vertical Dynamic Convergence Adjustment at the Environs of the Screen (Dynamic Convergence Adjustment)
- When there is misconvergence at the sides of screen, adjust for best convergence as follows by moving the deflection yoke.
- Loosen deflection yoke screw. Remove deflection yoke spacers.
 Move the deflection yoke for best convergence. Tighten the deflection yoke screw. Install three deflection yoke spacers.



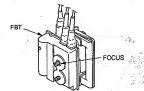
Screen-corner Convergence





3-3. FOCUS

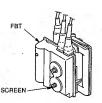
- 1. Receive the broadcast.
- 2 CONTRAST → Normal
- Adjust FOCUS control so that the focus on the center of screen becomes to the best.



3-4. WHITE BALANCE

[Screen (G2) Voltage Adjustment]

- 1. Receive a dot signal with the pattern generator.
- Adjust R. G. B cut-off controls so that respective cathode voltage against ground becomes 103V DC.
- Observing the screen, adjust SCREEN control so that the background of the dot signal is bright dimly.



[White Balance]

- Receive a color-bar pattern signal with the pattern generator. (Make black and white screen by chroma switch off.)
 - BRIGHTNESS50%
 - CONTRASTMinimum
 - CHROMA50%
 DRIVE controlMechanical center
 - BKG control Mechanical center
- Adjust RV118 (SUB BRT) on B board so that the blue stripe portion on the color-bar pattern signal is bright dimly.

Color-bar pattern

BLU

W Y C G M R

- 4. Receive an entirely white signal from the pattern generator.
- Using the luminance level meter, adjust the luminance level of the pattern generator becomes 3 Nits. (The condition the screen is bright dimly.)
- 7. Adjust white balance arcut-off using RVI 19 (G-C/O) and RV121
- 8. Change the all-white signal luminance level to 100 IREs.
- Adjust white balance at high-light using RV120 (G-GAIN) and
 RV121 (B-GAIN).
- 10. Change the unit to blue ONLY mode.
- Adjust white balance (at high-light) in blue ONLY mode using RV124*R-GAIN/BL) and RV125 (G-GAIN/BL).
- Using the luminance level meter, adjust the luminance level of the pattern generator becomes 8 Nits. Confirm that white balance at cut-off is satisfactory..

MEMO

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SECTION 4 SAFETY RELATED ADJUSTMENTS

4-1. SAFETY RELATED ADJUSTMENTS

B+ ADJUSTMENT AND B+ MAX CHECK FOR SERVICING (☑ RV551)

The following adjustments should always be performed when replacing the following components (marked with a on the schematic diagram).

on G board : (Power supply block)

IC601, IC651, PH601, C654, R653, R655, R656, R657, RV651.

- Input the AC power supply voltage 240V V.
- Input the monoscope signal.
- Set as follows.
 - CONTRAST80%
 BRIGHTNESS50%
- Connect the digital multimeter to RY1601 pin- on the D board.
- 5. Adjust RV651 on the G board so that the +B voltage becomes 40.0 ± 0.1 V.
- After adjusting RV651, fix it with an epoxy.
- 7. Input the AC power supply voltage 240V 0 V.
- 8. Input the dot signal.
- Input the dot signa
 Set as follows.
 - CONTRAST Minimum
 BRIGHTNESS Minimum
- BRIGHTNESS Minimum
 10. Check that the B+ voltage is below 41.9V.
- Check that the B+ voltage is below 41.9v
 If it is above this value, repeat from step;

B+ MAX IN DC POWER INPUT MODE, CONFIRMATION

The following adjustments should always be performed when replacing the following components (marked with on the schematic diagram).

on D board:

Q1601, Q1602, Q1603, D1601, D1602, D1603, D1604, D1605, C1601, C1602, R1601, R1602, R1603, R1604, R1605, R1606, R1607, R1608, R1629, R1628, R1630, RV1601, RV1603.

- Supply DC 12V *0.4 V from DC 12V IN connector.
- Receive a dot signal.
- 3. CONTRASTMinimum
 - BRIGHTNESS Minimum
- 4. Connect a digital multimeter to C1605 positive + side of D board.
- Turn RV1601 on the D board fully clockwise. Confirm that the voltage of C1605 + pin is less than 41.9V DC.
- If step 5 is not satisfied, readjust the RV1603. After adjusting, fasten RV1603 in place with epoxy.

HOLD-DOWN CIRCUIT CONFIRMATION (된 RV833) AND READJUSTMENTS

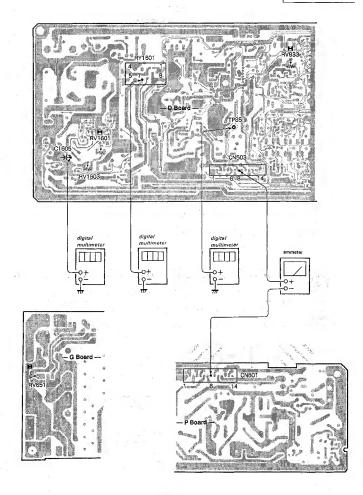
The following adjustments should always be performed when replacing the following components (marked with a on the schematic diagram).

on D board:

IC502, Q833, Q834, Q835, Q836, D835, D836, C519, C843, C844, C845, C846, C847, C848, RV833, R523, R850, R851, R852, R853, R854, R855, R856, R857, R858, R859, R861, R862, R863.

on P board:NL801,T802 (FBT),C814.

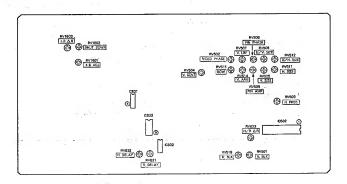
- Receive an entire white signal.
- 2. CONTRAST.....Maximum
- BRIGHTNESSMaximum
- Connect a digital multimeter to the TP85 (CN503 pin-®).
- Confirm the voltage is 14.1 ± 3.0V DC.
- Receive a dot signal.
- Connect an armmeter between D board CN503 pin
 and P board CN801 pin
- Adjust BRIGHTNESS and CONTRAST so that the current is IABL = 160 ± 30 μA.
- Apply an external DC voltage gradually to TP85. When the voltage becomes 18.5V ± 0.1V DC, confirm the HOLD-DOWN circuit operates immediately and raster disappears.
- When external DC voltage at TP85 becomes 17.5V ± 0.1V DC, confirm the HOLD-DOWN circuit doesn't operate.
- 10. Receive an entire white signal.
- Adjust with BRIGHTNESS and CONTRAST controls so that the current is IABL = 520 ± 30 μA.
 Apply DC voltage of 17.8V ± 0.1V to TP85. Confirm the HOLD-
- Apply DC voltage of 17.8V ± 0.1V to TP85. Confirm the HOLL DOWN circuit operates immediately and raster disappears.
- With the same set-up as steps 10 and 11, supply 16.8V ± 0.1V DC to TP85. Confirm that the HOLD-DOWN circuit doesn't operate.
- When above specifications are not satisfied, readjust RV833.
 After adjusting, fasten RV833 in place with epoxy.



SECTION 5 CIRCUIT ADJUSTMENTS

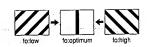
5-1. D BOARD ADJUSTMENTS

-D BOARD (COMPONENT SIDE)-



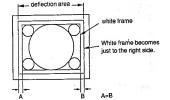
HORIZONTAL OSCILLATION FREQUENCY ADJUSTMENT (RV503)

- 1. Receive a monoscope signal.
- Connect pin-① of IC502 to ground with 100µF/16V electrolytic capacitor.
- 3. Adjust RV503 (H.FREO) so that the screen streaming to stops.



SCREENPHASE ADJUSTMENTS (RV502, RV512, RV516)

- 1. Receive a monoscope signal.
- Set U/S (Under Scan) switch to Under mode.
- CONTRASTMinimum
- BRIGHTNESS Maximum.
- Adjust RV512 (U/H. SIZE) so that the white frame of monoscope signal becomes visible.
- Adjust RV516 (H.BLK) for minimum BLKG width so that all the deflection area becomes visible.
- Adjust RV502 (VIDEO PHASE) so that the monoscope's white frames should have equal width.



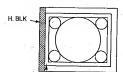
H.V BLK ADJUSTMENTS (RV501, RV516)

- 1. Receive a monoscope signal.
- 2. Set U/S (Under Scan) switch to Under mode,
- 3. · CONTRASTMinimum BRIGHTNESS Maximum,
- 4. V. BLK Adjustment (RV501)
- (I) Adjust RV501(V. BLK) so that the upper side white frame of monoscope signal is not blanked.



Make not to blank the upper side white frame. of monoscope signal.

- 5. H. BLK Adjustment (RV516)
- (I) Adjust with RV516 (H. BLK) so that the left end white vertical line of the white frame of monoscope signal is not blanked as following figure.



Make not to blank the left end white vertical line of the white frame of monoscope signal.

VERTICAL DEFLECTION PART ADJUSTMENTS (RV504, RV505, RV506, RV507)

- 1. Receive a monoscope signal.
- CONTRAST70%
- BRIGHTNESS......50%
- 3. Adjust RV505 (V. SIZE) so that the vertical size of monoscope signal becomes 12 frames.

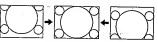


12 frames

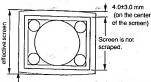
Adjust RV507 (V.LIN) the vertical linearity.



Adjust RV504 (V. CENT) the vertical position.



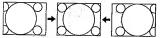
- V. SIZE ADJUSTMENT (RV505)
- (1) Adjust RV505 (V. SIZE) so that the vertical size of monoscope signal becomes 11.75 +0.2 frames,
- 7. V.SIZE IN UNDERSCAN MODE ADJUSTMENT (RV506)
- (1) Set U/S (Under Scan) switch to Under mode.
- (2) Adjust the Under V.SIZE with RV506 (U/V. SIZE) as follows.



Screen is not wane on the four corners.

HORIZONTAL DEFLECTION PART ADJUSTMENTS (RV508, RV509, RV511, RV514, RV515, RV801/P board)

- 1. Receive a monoscope signal. CONTRAST70%
- BRIGHTNESS50%
- 3. H. CENT Adjustment (RV801 on P board)
- (1) Adjust RV801 on P board (H. CENT) the horizontal position.



- 4. H. SIZE Adjustment (RV511)
- (1) Adjust RV511 (H. SIZE) the horizontal size of 16 frames of monoscope signal.



16 frames

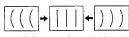
 PIN AMP, PIN PHASE, V. ANG, BOW ADJUSTMENTS (RV508 RV509, RV514, RV515)

Adjust RV514 (V. ANG) and RV515 (BOW) to correct vertical angular distortion and bow distortion. Adjust RV509 (PIN AMP) and RV508 (PIN PHASE) so that vertical lines become straight.

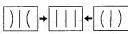
· V. ANG (RV514)



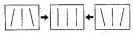
BOW (RV515)



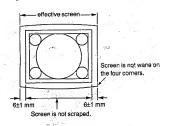
PIN AMP (RV509)



· PIN PHASE (RV508)

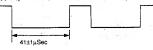


- H. SIZE ADJUSTMENT (RV511).
- Adjust RV511 (H. SIZE) so that the horizontal size becomes 16± 0.2 frames.
- 7. UNDERSCAN MODE H.SIZE ADJUSTMENT (RV512)
- (1) Set U/S (Under Scan) switch to Under mode.
- (2) Adjust RV512 (U/H. SIZE) the Under H. SIZE as shown in the figure.

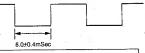


H V DELAY ADJUSTMENT (RV831, RV832)

- 1. Receive a monoscope signal.
- CONTRAST70%
 - BRIGHTNESS50%
- 3. Set H V DELAY switch to DELAY mode.
- H. DELAY Adjustment (RV832)
- Connect an oscilloscope to pin- of IC831.
 Adjust RV832 (H. DELAY) to becomes 41 ± 1 µsec.



- 5. V. DELAY Adjustment (RV831)
- (1) Connect an oscilloscope to pin-9 of IC833.
- (2) Adjust RV831 to become 8.0 ± 0.4msec as follows.



SHUT-DOWN VOLTAGE ADJUSTMENT (RV1602)

- Fully rotate RV1602 in the direction that does not shut-down.
 Supply a 9.4V *0.1V voltage to the C1602 side of L1602 on the D
- Turn AC power switch ON.

board.

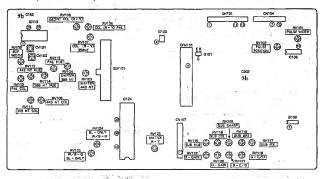
 Rotate D board RV1602 (SHT DOWN) slowly to the point that shuts-down the unit.

B+ VOLTAGE DURING DC OPERATE MODE, ADJUSTMENT (RV1601)

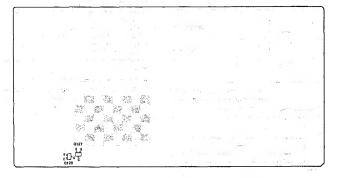
- Supply DC12V±0.2V to DC-12V IN connector.
- 2. Receive a monoscope signal.
- 3. · CONTRAST80%
 - BRIGHTNESS50%
- Connect a digital voltmeter to C1605 + positive side on D board.
- Adjust RV1601 on the D board for 40.0±0.1V DC.

5-2. B BOARD ADJUSTMENTS

-B BOARD (COMPONENT SIDE)-



-B BOARD (CONDUCTOR SIDE)-

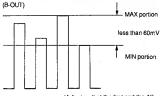


PRIMARY COLOR MATRIX ADJUSTMENT (RV115, RV116, RV123)

- Supply component color bar signal (75% dirroma color bar) to the
 equipment so that Y signal is supplied to EXT SYNC and R-Y signal
 to R-Y connectors Operate the equipment in external sync mode.
- 2. Connect oscilloscope to IC124 pin- (B-OUT).
- Adjust RV115 (SUB HUE) to obtain the Blue output as shown in figure.

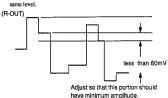


- Supply component color bar signal (75% color bar) to the component input connector to feed R-Y and B-Y signals. Operate the equipment in internal SYNC mode.



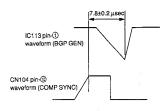
(Adjust so that the first and the 4th peaks should have the same level.)

- 6. Connect oscilloscope to IC124 pin-(1) (R-OUT).
- 7. Adjust RV123 ((R-Y)-IN) so that waveform peaks should have the



BURST GATE PULSE WIDTH ADJUSTMENT (RV109)

- 1. Receive color bar signal.
- Connect dual trace oscilloscope to CN104 connector pin-⁽¹⁾
 (COMP-SYNC) and ICI13 (MS1279) pin-⁽¹⁾ (BGP-WIDTH).
 AdjustRV109 (BGP-WIDTH) to obtain the relationship as shown in the figure.



VXO ADJUSTMENT (CV101,CV102)

- 1, 3,58MHz VXO adjustment (CV101)
- (1) Receive NTSC color bar signal.
- (2) Connect +5V power line to IC113 pin
 (3) (1D-F1LT-REF) via a 4700Ω resistor.
- (3) Ground IC109 pin-2 by connecting it to ground.
- Ground C169 pin-2) by connecting it to ground.
 Ground C162 negative side by connecting it to ground.
- (5) Connect frequency counter to IC113 pin-②. Adjust CV101 (358FO) for 3579545±20Hz. (This adjustment can be alternatively done by observing screen as

Adjust color synchronization by CV101 (358FO).



Adjust so that color stripes disappear and the hue change is stabilized extremely.

- 4.43MHz VXO adjustment (CV102)
- (1) Receive PAL colour bar signal.
- (2) Connect +12V power line to IC109 pin-2.
- Connect frequency counter to IC113 pin-³

 Adjust CV102 (443FO) for 4433619±20Hz.
 - (This adjustment can be alternatively done by observing screen as below.)

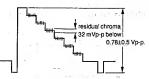
Adjust colour synchronization by CV102(443FO).



Adjust so that colour stripes disappear and the hue change is stabilized extremely.

NTSC COMB FILTER ADJUSTMENT (RV1,T1/CFM101 BOARD)

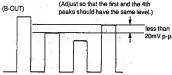
- 1. Receive NTSC 3.58 color bar signal.
- 2. Connect an oscilloscope to C202 negative side.
- 3. Confirm the Y OUT is 0.78±0.5 Vp p.
- Confirm the residual chroma is 32 mVp-p below. If it is above 35 mVpp, adjust with RV1 and T1 on CFM201 board while tracking.



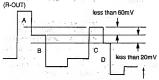
NTSC COLOR DEMODULATION ADJUSTMENT (RV114,RV111,RV104,RV107)

- NTSC 3.58MHz HUE adjustment (RV114)
- Supply NTSC color bar signal including burst and R-Y component. (For example, Tektronix 1410SG output color bar signal with B-Y component removed.)
- (2) Connect an oscilloscope to Q128 emitter (B-Y OUT).
- (3) Adjust RV114 (358NT HUE) so that all the waveform peaks should have equal amplitude (look flat) except burst. (Level difference should be less than 10mV p-p.)

- 2. NTSC 3.58MHz COLOR adjustment (RV111)
- (1) Receive NTSC 3.58 color bar signal.
- (2) Connect an oscilloscope to IC124 pin- (B-OUT).
- Adjust RV111(358NT-COL) so that waveform peaks should have the same level (most flat).



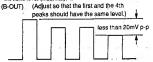
- NTSC 3.58MHz COLOR (R-Y) adjustment (RV104, RV107)
- (1) Receive the color bar signal.
- (2) Connect an oscilloscope to the Q127 emitter (R-Y OUT), and adjust RV104 (358NT-SHIFT) so that the output of the burst section (B-Y axis.signal output) becomes 0.
- (3) Connectan oscilloscope to IC124 pin (R-OUT). Adjust RV107 (358NT-COL (R-Y)) so that the level difference should be minimum.



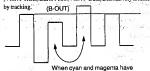
(Adjust for B=D, [less than 20mV] Also level difference between B and C should be less than 60mV.)

NTSC 4.43MHZ COLOR DEMODULATION ADJUSTMENT(RV108,RV112,RV103,RV106)

- NTSC 4.43MHz COLOR adjustment (RV108.RV112)
- (1) Receive NTSC 4.43 color bar signal (75% color bar).
- (2) Connect an oscilloscope to IC124 pin-@ (B-OUT).
- (3) Adjust RV108 (443NT-COL) so that waveform peaks should have the same level (most flat).

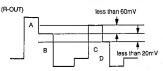


(4) When evan and magenta have level difference, adjust RV112 (443NT-HUE) and RV108(443NT-COL) alternatively to remove,



level difference, adjust RV112 and RV108 alternatively to remove.

- 2. NTSC 4,43MHz COLOR (R-Y) adjustment (RV103, RV106)
- (1) Receive the NTSC 4.43 color bar signal (75%, chroma color bar).
- (2) Connect an oscilloscope to the Q127 emitter (R-Y OUT), and adjust RV103(443NT-SHIFT) so that the output of the burst section (B-Y axis signal output) becomes 0.
- (3) Connectan oscilloscope to JC124 pin- (R-OUT). Adjust RV106 (443NT-COL (R-Y)) so that the level difference should beminimum.



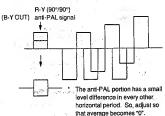
(Adjust for B=D. [less than 20mV]. Also level difference between B and C should be less than 60mV.)

PAL COLOR DEMODULATION ADJUSTMENT (RV113.RV2/SEP101, RV110.RV105.RV205)

- 1. PAL PHASE Adjustment (RV113.RV2/SEP101)
- (1) Receive the special PAL color-bar.
- (2) Connect an oscilloscope to emitter of Q127 (R-Y OUT).
- (3) Adjust RV113 (PAL-PHASE) so that B-Y (0/180°) anti-PAL portion (in the R-Y demodulated output) becomes "0" (flat) as

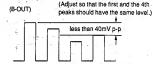


- (5) Adjust RV2 inside SEP101 so that R-Y (90°/90°) anti-PAL portion (in B-Y demodulated output) becomes "0" (flat) as following figure.

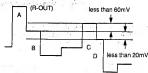


For the adjustments of (3) and (5), it is also possible to set the color level to MAX with the chroma adjusting knob of the unit and erase the color of the anti-pal signal section.

- 2. PAL COLOR ADJUSTMENT (RV110)
- (1) Receive PAL color bar signal (75% color bar).
- (2) Connect an oscilloscope to IC124 pin- (B-OUT).
- (3) Adjust RV110 (PAL-COL) so that waveform peaks should have the same level (most flat).



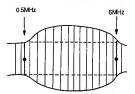
- 3. PAL-COLOR-(R-Y) ADJUSTMENT (RV105)
- (1) Connect an oscilloscope to IC124 pin- (R-OUT).
- (2) Adjust RV105 (PAL-COL-(R-Y)) so that waveform peaks should have the same level (most flat).



(Adjust for B=D. [less than 20mV] Also level difference between B and C should be less than 60mV.)

SUB-SHARP ADJUSTMENT (RV205)

- (1) Receive a sweep signal (or multi-burst).
 - Bandwidth should be more than 10MHz (flat).
 - · Composite sync should be included.
 - · Turn burst off.
- (2) Connect an oscilloscope to IC124 pin-(3) (G-OUT).
- (3) Adjust RV205 (SUB-SHARP) as shown,



Example of sweep signal output waveform

[specification] 6MHz/0.5MHz=0±0.5dB

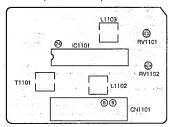
CHROMA H PULSE POSITION ADJUSTMENT (RV101,RV102)

- (1) Receive the SECAM color bar signal.
 - (The left edge of the screen should not be colored.)
- (2) Set to the under-scan mode.
- (3) Adjust RV101 (PLUSE-WIDTH) until the point immediately before the color on the left edge of the screen disappears.
- (4) Release the under-scan mode.
- (5) Set the HV DELAY mode.
- (6) Adjust RV102 (PULSE-POSI) untill the point immediately before the rising color of the image after back porch diappears.

Note: If image phase adjustment or HV DELAY amount adjustment during HV DELAY is performed after completing the adjustment in this section, re-adjustments will be required. Therefore, performed this adjustment after the two mentioned have been performed.

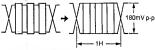
5-3. S BOARD ADJSUTMENTS

-S BOARD (COMPONENT SIDE)-



SECAM (T1101,L1102,L1103)

- 1. Receive SECAM color-bar.
- 2. Bell Filter Adjustment (T1101)
- (1) Connect an oscilloscope to IC1101 pin-@.
- (2) Adjust T1101 (Bell Filter) so that the chroma waveform becomes smooth. (Uneven level should be minimum.)



- 3. Color Balance Adjustment (L1102,L1103)
- (1) Connect an oscilloscope to pin- (R-Y) of CN1101 connector.
- Adjust L1 102 (R-Y) so that the non-colored portion level becomes flat.



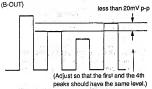
- (3) Connect an oscilloscope to pin-® (B-Y) of CN1101 connector.
- (4) Adjust L1103 (B-Y) so that the non-colored portion level becomes flat.



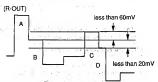
(5) When adjusting the color level of the unit to MAX or MIN using the chroma adjusting knob, check that the white balance of the colorless section does not change.

DEMODULATIONLEVEL ADJUSTMENT (RV1101,RV1102)

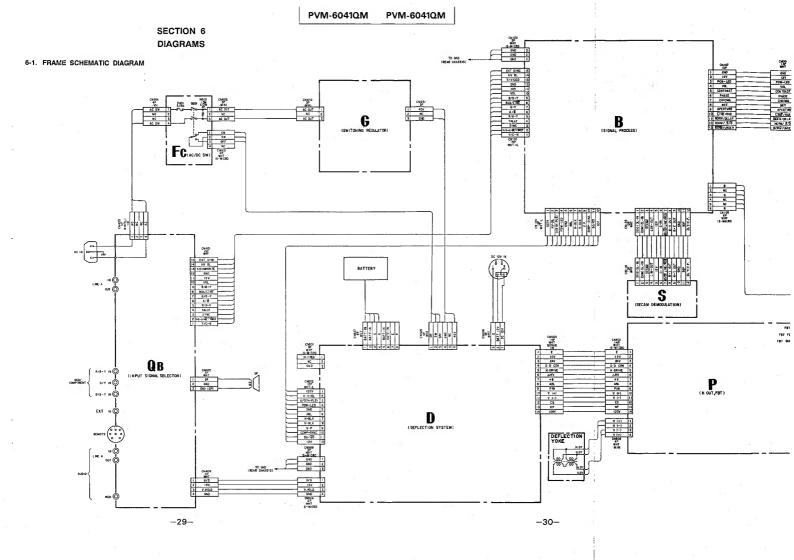
- 1. Receive SECAM color-bar.
- Connect an oscilloscope to IC124 pin-30 (B-OUT).
- Adjust S board RV1101 (SEC-COL) so that waveform peaks should have the same level (most flat).



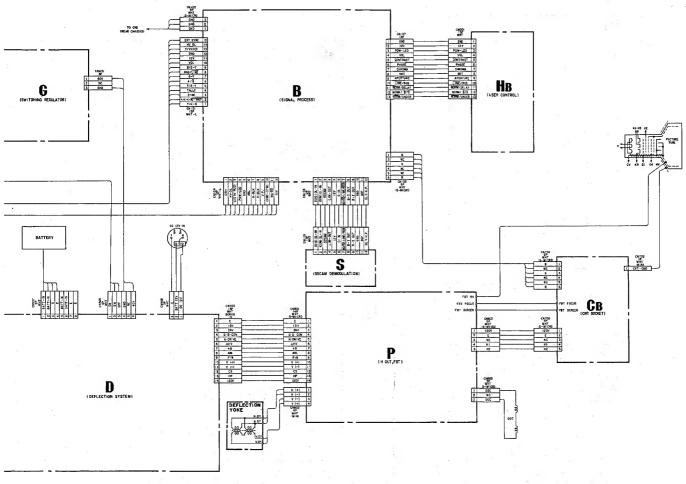
- 4. Connect an oscilloscope to IC124 pin-@ (R-OUT).
- Adjust S board RV1102 (SEC-COL (R-Y)) so that the level difference should be minimum.

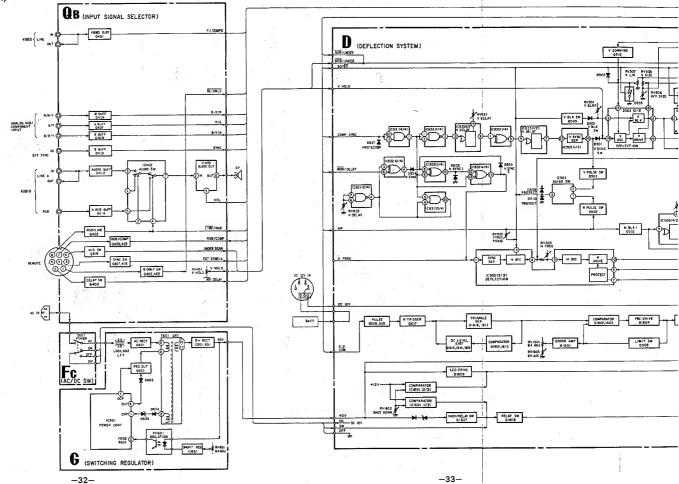


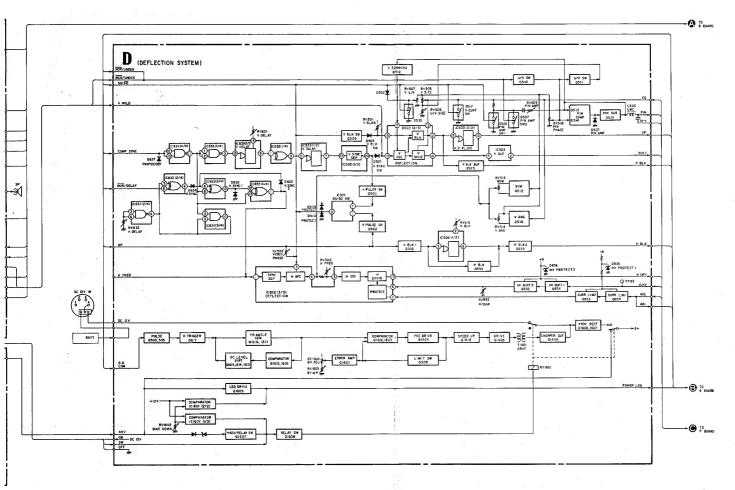
(Adjust for B=D. [less than 20mV] Also level difference between B and C should be less than 60mV.)

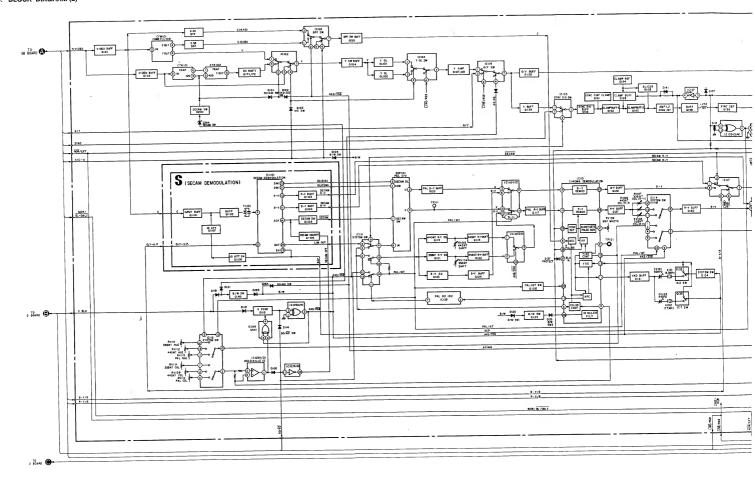


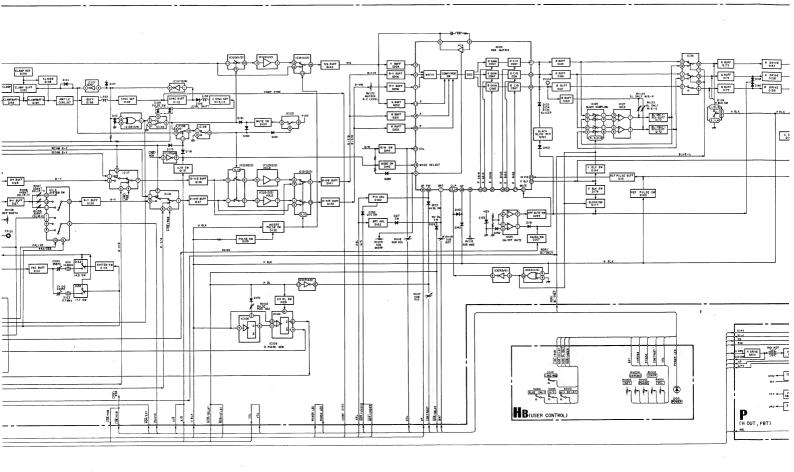
1-6041QM

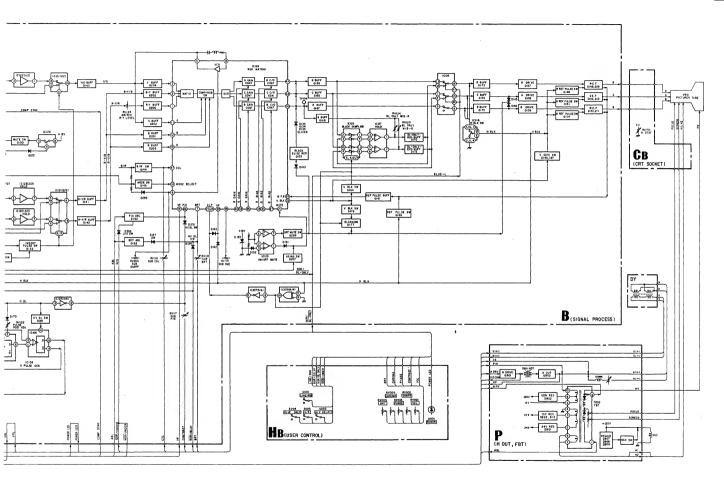




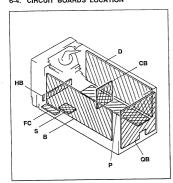








6-4. CIRCUIT BOARDS LOCATION



6-5. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics.
- . Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch: 5 mm Rating electrical power 1/4 W

- All resistors are in ohms. : nonflammable resistor
- : fusible resistor. △ : internal component
- panel designation.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- The components identified by
 in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by ... make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by \mathbf{H} and
- repeat the adjustment until the specified value is achieved. (Refer to RV651, RV1603, and RV833 adjust on page 18 and
- . When replacing the part in below table be sure to perform the related adjustment.

Part replaced (2)	RV651 (B+ MAX) RV1603 (B+ MAX IN DC POWER INPUT MODE)	
IC601, IC651, PH602, C654, R653, R655, R656, R657, RV651		
Q1601, Q1602, Q1603, D1601, D1602, D1603, D1604, D1605, C1601, C1602, R1601, R1602, R1603, R1604, R1605, R1606, R1607, R1608, R1628, R 1629, R1630, RV1601, RV1603		
IC502, Q833, Q834, Q835, Q836, D835, D836, C519, C814, C843, C844, C845, C846, C847, C848, RV833, R523, R850, R851, R852, R853, R854, R855, R856, R857, R858, R859, R861, R862, R863,	R833 (HOLD-DOWN)	

- All voltages are in V.
- Voltage are dc with respect to groundunless otherwise noted.
- Readings are taken with a color-bar signal input.
- · Readings are taken with a PAL color-bar signal input. adjustment for repair.
- Voltage variations may be noted due to normal production
- . ____ ; B + bus.
- - B bus.
- ; signal path.
- No mark: with PAL color-bar signal received or common voltage.
-) : with SECAM color-bar signal received.
- < > : with NTSC 3.58 color-bar signal received.)) ; with NTSC 4.43 color-bar signal received.
- 1 : with S(Y/C) color-bar signal received.
- () : with analog RGB color-bar signal received. « » : with component color-bar signal received.
- measurement impossibility

Reference information

Helefelice illiointation				
RESISTOR	: RN	METAL FILM		
	: RC	SOLID		
	: FPRD	NONFLAMMABLE CARBON		
	: FUSE	NONFLAMMABLE FUSIBLE		
	: RS	NONFLAMMABLE WIREWOUND		
	: RB	NONFLAMMABLE CEMENT		
COIL	: LF-8L	MICRO INDUCTOR		
CAPACITOR	: TA	TANTALUM		
	: PS	STYROL		

- POLYPROPYLENE : PP MYLAR
- MFTALIZED POLYESTER : MPS
- METALIZED POLYPROPYLENE : ALB BIPOLAR
- · ALT
- HIGH TEMPERATURE HIGH RIPPLE : ALR

PVM-6041QM

PVM-6041QM

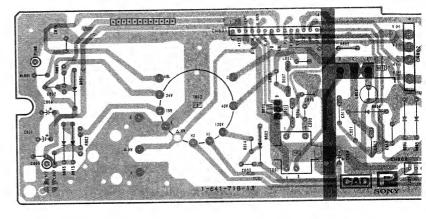
P H OUT, FBT] G SWITCHING REGULATOR]

S [SECAM DEMODULATION]

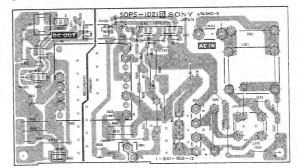




- P Board -



- G Board -



- FC Board -





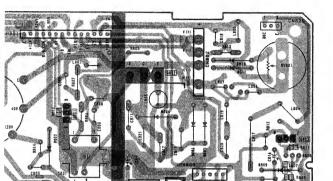
ECAM DEMODULATION

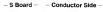
PVM-6041QM

PVM-6041QM

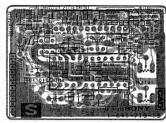
QB [INPUT SIGNAL SEI

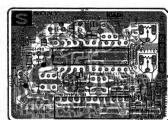
FC [AC/DC SWITCH] HB [USER CONTROL]







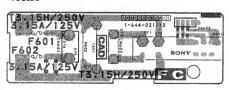




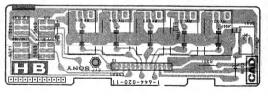
- QB Board -







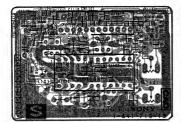


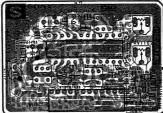


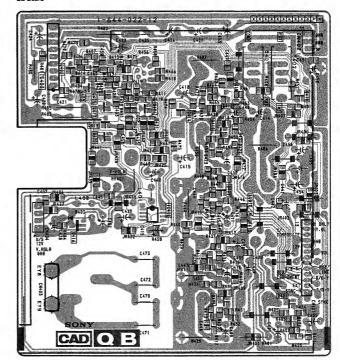
- S Board - - Conductor Side -

- S Board - - Component Side -

- QB Board -

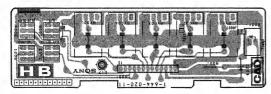


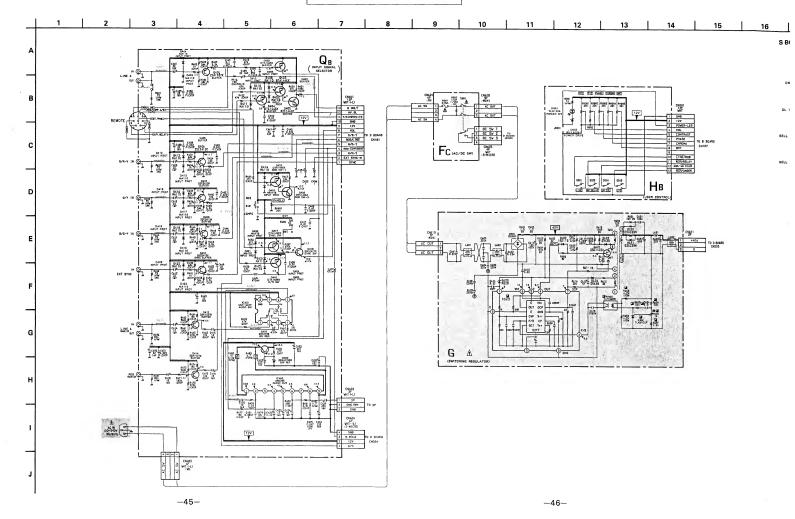


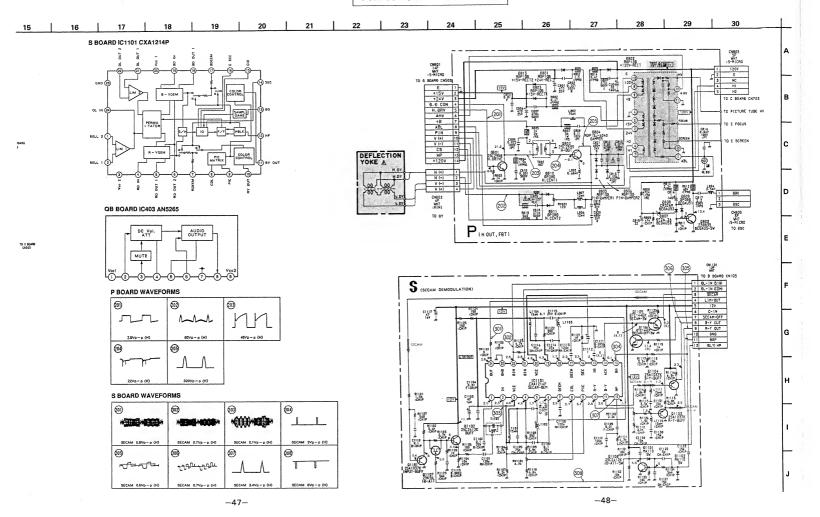


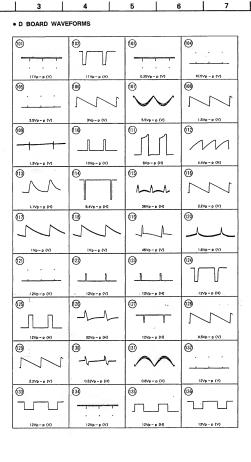
- HB Board -

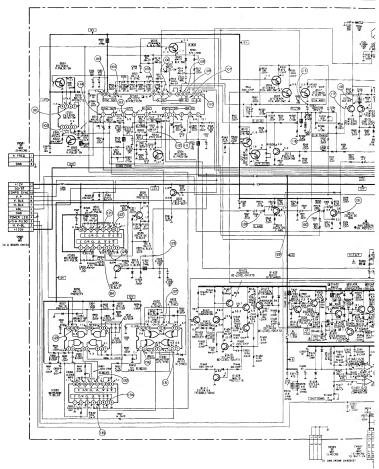
560

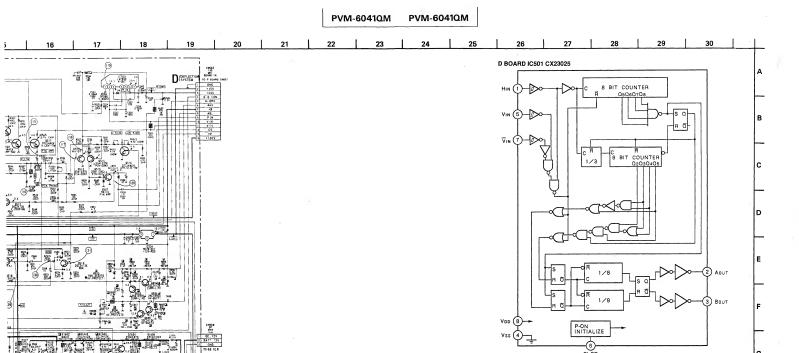












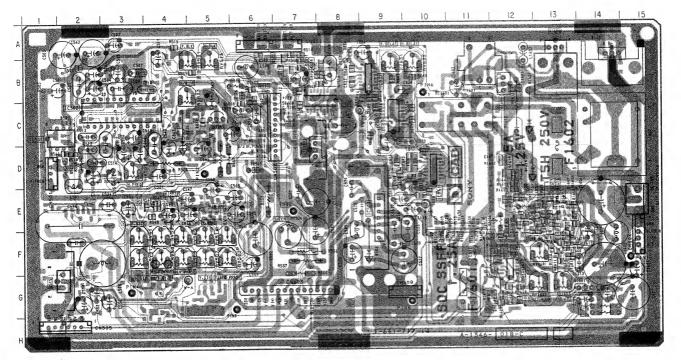
-51-

VERTICAL DRIVE 9

D BOARD IC503 LA7830



- D Board - - Component Side -



D Board (Component Side

С
C-8
D - 10
B-9
C - 9
F - 12

TRANSISTOR

2505	F = 12
508	F - 12
2509	E - 12
512	E-4
2525	B - 7
535	B - 6
2533	A - 7
1607	G = 12
1610	E-13
1611	F-13
1612	E-13
1613	F-14
1614	F - 13
1615	E-13
1616	E - 13
21617	E - 13
21618	D - 12

DIODE

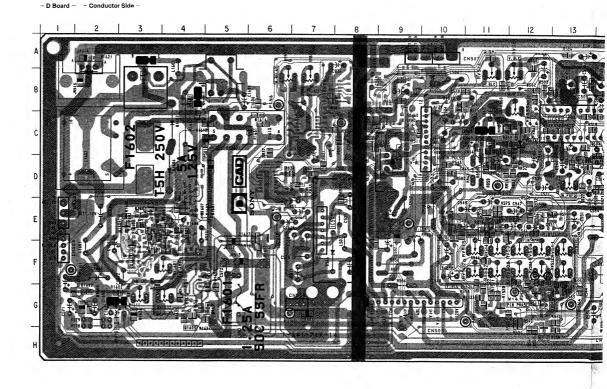
DK	ODE
D505	E-12
D508	A - 6
D509	C - 2
D510	D - 2
D514	A - 7
D833	B - 8
D834	A - 8
D836	C - 5
D837	D - 9
D838	D - 10
D1606	E - 13
D1609	G - 12
D1610	G-11
D1611	3-14
D1616	F - 10
D1625	D - 12
D1626	F-13
D1627	F - 13
D1628	F-13

D Board (Component Side)

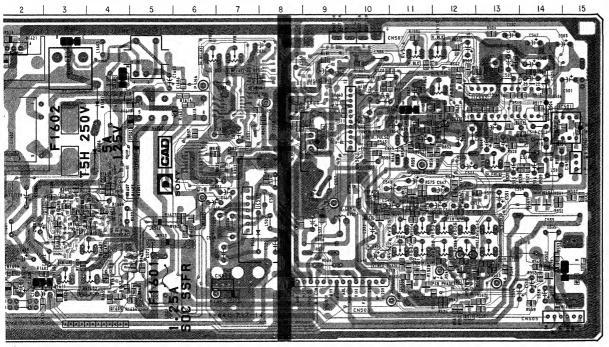
1	IC
IC505	C-8
IC831	D - 10
IC832	8-9
(C833	c-8
	F-12
IC1601	
TRAN	SISTOR
TRAN	
TRAN	SISTOR F-12
TRAN 0505 0508	SISTOR F-12
TRAN 0505 0508	SISTOR F = 12 F = 12 E = 12
TRAN 0505 0508 0509	SISTOR F - 12 F - 12 E - 12 E - 4
TRAN Q505 Q508 Q509 Q512	F-12 F-12 E-12 E-4 8-7

- 13 - 13
- 13 - 13 - 12
- 13

Q1616 Q1817	E - 13 E - 13 E - 13
	D - 12 ODE
D505 D508 D509 D509 D510 D514 D836 D837 D838 D1606 D1809 D1610 D1811 D1618 D1825 D1628	E-12 A-6 C-2 D-2 A-7 8-8 A-8 C-5 D-9 D-10 E-13 G-12 G-11 G-14 F-10 D-12 F-13 F-13

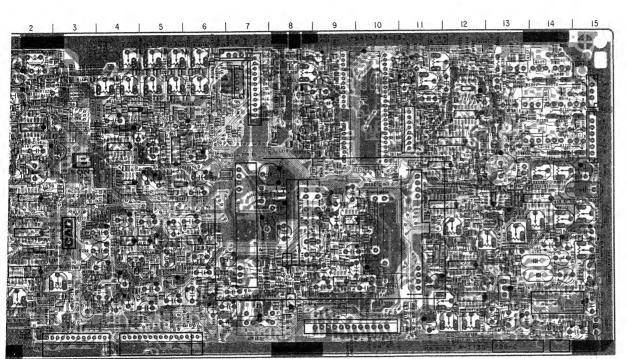






D Boa	rd (Con	uctor S	ide)
1	С	D835 D1601	C-12 E-4
IC501 IC502 IC503 IC504	C - 15 C - 13 E - 7 D - 9	D1802 D1603 D1604 D1605 D1807	E - 3 E - 4 E - 4 E - 3 C - 4
TRAN	SISTOR	D1608 D1612	E - 2 F - 6
Q501 Q502 Q503 Q504 Q506 Q507 Q510	C-15 D-15 A-11 C-13 E-14 E-14 E-10	D1613 D1614 D1615 D1617 D1618 D1635 D1699	C-6 C-6 G-2 C-4 C-4 G-5 G-2
Q511 Q513	G - 12 G - 14		ABLE
Q514 Q515 Q518 Q517 Q518 Q519 Q833 Q834 Q835 Q836 Q1601 Q1802 Q1803 Q1604 Q1605 Q1606 Q1808 Q1809	G-12 G-13 G-13 G-11 E-12 E-11 C-12 C-11 C-11 E-4 F-3 E-4 F-3 E-4 F-3 E-4 F-3 E-4 F-3 E-4 F-3 E-4 F-3 E-4 F-3 E-4 F-3 E-4 F-3 E-4 F-3 E-4 F-4 F-4 F-4 F-4 F-4 F-4 F-4 F-4 F-4 F	RV501 RV502 RV503 RV504 RV505 RV508 RV507 RV508 RV511 RV512 RV514 RV515 RV516 RV516 RV531 RV532 RV516 RV533 RV516 RV533 RV503 RV506	B-12 F-11 D-13 E-9 F-12 F-12 F-12 F-13 F-13 F-11 B-11 B-7 B-8 8-12 F-4
DIC	DDE	RV1602 RV1603	G - 4 G - 3
D501 D502 D503 D504 D506 D507 D511 D831 D832 D1601	B - 13 8 - 12 B - 12 C - 14 F - 7 E - 15 C - 8 D - 7 B - 7		

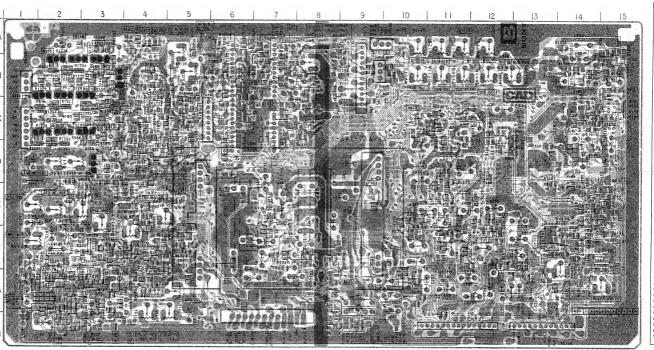
- Component Side -



B Board (Com	poner	nt Side)
IC	Q176 Q191	F - 9 B - 2
IC102 G - 8 IC103 G - 8 IC104 E - 9 IC105 G - 6 IC106 F - 2 IC107 D - 2 IC108 E - 2	Q198 Q197 Q198 Q200 Q204 Q205	B-1 B-2 B-2 A-3 F-8 B-9 A-9
IC108 E - 2 IC108 C - 2 IC110 F - 12 IC111 E - 11 IC112 G - 13 IC113 G - 14 IC114 G - 12	Q206 Q208 Q212 Q299	A - 8 B - 3 C - 11 A - 11
IC115 E - 14		ODE
IC117 F-8 IC118 F-5 IC119 F-4 IC120 C-4	D107 D114 D118 D119	D - 2 C - 1 C - 1 C - 1
IC120 C-5 IC121 C-5 IC122 D-5 IC123 D-4 IC124 C-10	D121 D122 D123 D128	E-4 D-4 C-4 E-1
IC125 C - 12 IC126 C - 12 IC127 B - 12 IC128 E - 13	D130 D131 D132 D137 D138	B = 13 C = 14 D = 14 G = 11 D = 13
IC129 B - 4	D139 D142	C - 13 C - 9
TRANSISTOR	D143 D146	C - 9 D - 12
Description Description	D151 D152 D153 D154 D156 D157 D162 D342 D343 D344 D345 D346 D347 D348 D349 D350 D393	C-5 B-4 B-13 C-13 A-13 B-11 D-12 H-2 F-8 A-14 B-14 C-14 C-14 D-14 F-3

- B Board - - Conductor Side -

B - 2 7 B-2 8 A-3 0 F-8 4 B-9 8 B-3 2 C-11 9 A-11 DIODE C - 1 C - 1 E-4 D - 4 C - 14 D-14 G-11 D - 13 C-13 D - 12 8 - 4 B - 4 8-13 C - 13 A - 13 D - 12 H-2 F-8

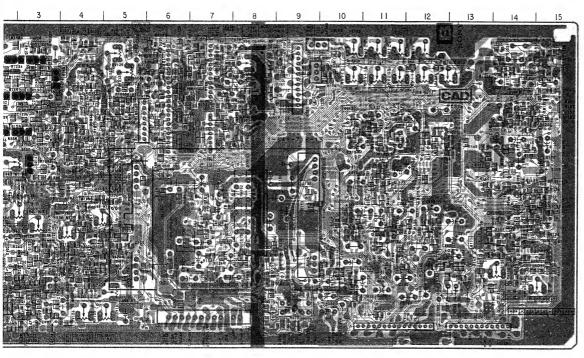


B Board (Cor

TRANSISTOR Q102 G ~ 10 Q102 G-10 Q103 E-8 Q106 F-10 Q107 E-7 Q108 E-7 Q112 D - 14 Q113 D-14 0114 D-15 0116 E-15 0117 F-4 0118 E-4 Q120 F-4 Q122 F-4 Q123 Q125 G = 2 Q126 G = 3 Q127 H = 4 Q128 H = 3 Q130 G = 4 Q131 G = 2 Q133 0134 F-3 0135 F-3 0138 F-12 0140 E-11 0142 C-10 Q143 C-11 Q144 A-7 Q145 C-7 Q146 B-3 Q147 D-3 Q148 A-3 Q155 Q157 Q158 B - 3 Q158 B = 3 Q159 C = 3 Q160 A = 4 Q161 C = 3 Q162 G = 12 Q163 F - 12 Q165 D-4 Q165 D-4 Q167 C-5 Q168 C-5 Q170 C-4 Q172 C-5 Q173 D-4 Q174 C-4 Q177 A-4 Q179 A-4

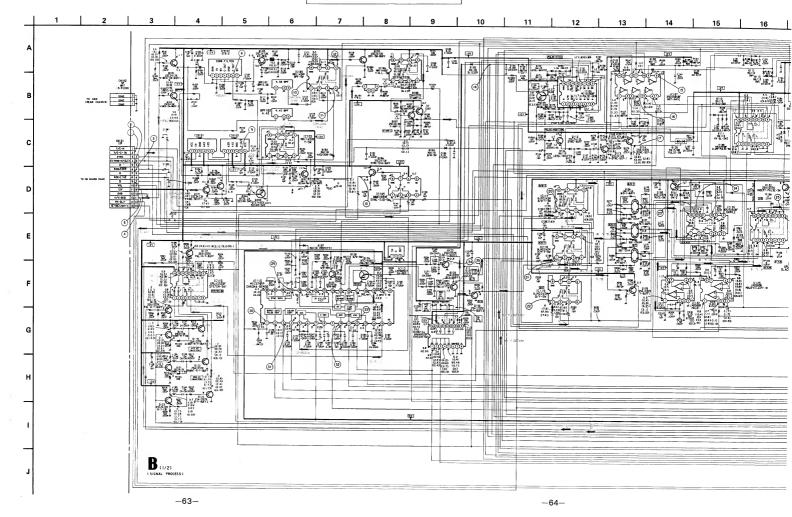
A - 14 B - 14

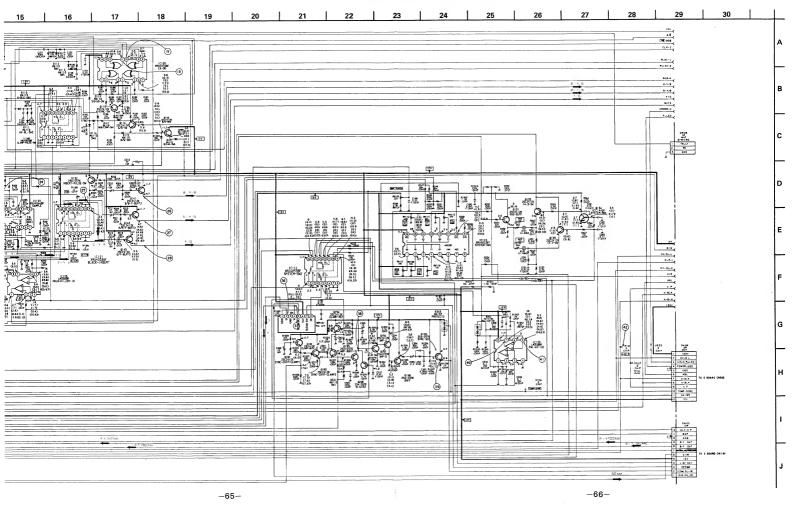
D - 14 F - 3



B Board (Conductor Side)

	aiu (COI	iducio	i Side)		
TRAI	NSISTOR	0190	C - 12		ABLE
⊢		0192	B - 8	HEST	STUN
Q102	G - 10	Q184	B - 15	RV101	G - 15
Q103	E - 9	Q195	B - 14	RV102	F-14
Q106	F-10	Q199	A - 15	BV103	E-4
0107	E-7	Q201	C - 7	RV104	F-4
0108	E-7	0202	C - 8	RV105	H - 5
Q112	D - 14	Q203	C - B	RV108	H = 4
0113	D = 14	Q209	B - 2	BV107	G-5
0114	D - 15	Q210	B - 2	RV108	D-2
Q118	E-15	Q211	C-2	RV109	F-1
Q117	F = 4			RV110	E-1
0118	E-4			BV111	D-2
Q120	F-4	l D	IODE	BV112	E-2
Q122	F-4			RV113	E-3
Q123	F-5	D101	F - 8	RV114	E-3
Q125	G - 2	D102	F - 8	RV115	B-10
Q126	G - 3	D104	F - 7	RV116	8-11
Q127	H-4	D105	G - 8	RV118	8-12
Q128	H-3	D106	D - 14	RV118	A - 12
Q130	G - 4	D108	E-14	RV119	A - 12 A - 11
Q131	3-2	D109	E - 14	RV121	A - 11
Q133	G – 2	D110	F - 14	RV122	A-10
Q134	F-3	D111	F - 15	RV123	B - B
Q135	F-3	D112	C - 15	RV123	8-5
Q139	F = 12	D113	C-14	RV124	
Q140	E-11	D115	E-14	RV205	B-5
Q142	C - 10	D116	E - 14	NV205	B - 11
Q143	C-11	D117	E - 14		
Q144	A - 7	D120	H - 3	1	
Q145	C-7	D125	B - 9	1	
Q146	B = 3	D126	B-10	J	
Q147	D - 3	D127	F = 13	1	
Q148	A - 3	D129	H - 2		
Q149	B-2	D133	B = 8		
Q151	B - 2	D134	C-6	l	
Q152	B - 2	D135	C-6		
Q153	C - 6	D136 D144	D = 3		
Q154	C - 2	D144	D-4 D-4		
Q155	C - 2	D145	A-5		
Q157	B - 3	D148	B-3		
Q158	B - 3	D149	B - 2		
Q159	C - 3	D150	D-3		
Q160	A – 4	D155	B-3		
Q161	C-3	D158	8-3		
Q162	G - 12	D159	C-2		
Q163	F - 12	D160	C = 12		
Q165	D-4	D161	C-12		
0167	C-5	D170	G-13		
Q168	C-5	D171	G-14		
Q170	C-4	D172	G-14		
Q172	C-5	D285	E-11		
Q173	D-4	D289	8-8		
Q174	C-4	D341	8 - 15		
0175	C-4		- 10		
0177	A-4				
Q179	A-4				





Q113 Q115 Q118 Q119 Q121 Q122 Q130

Q146 Q147

Q148 Q149 Q151

— B Board —

X	< TRANSISTOR >	

	_	-						
		PAL	SECAM	NTSC 3.58	NTSC 4.43	8 (Y/C)	ANALOG RGB	COMPO- NENT
Q113	ε	0.5	0.5	0.4	0.4	0.5	0.5	0.5
	8	1.0	1.0	0.9	0.9	0.9	0.9	1.0
Q115	ε	11.2	9.3	0.0	10.8	0.0	0.0	0.0
	8	2.8	2.2	0.1	2.4	0.1	0.1	0.0
Q118	E	0.0	0.0	1.7	1.7	1.7	1.7	1.7
Q119	В	0.1	0.0	1.7	1.7	1.7	1.7	1.7
Q121	E	0.0	0.0	1.7	1.7	1.7	1.7	1.7
Q122	В	0.0	0.0	1.7	1.7	1.7	1.7	1.7
Q130	£	4.3	4.3	4.4	4.4	4.5	4.4	4.4
	8	3.7	3.7	3.6	3.6	3.9	3.6	3.8
Q132	£	2.3	2.3	2.4	2.3	2.4	2.4	2.4
	C	1.8	1.7	1.7	1.7	1.7	1.6	1.6
	В	2.7	2.6	2.6	2.7	2.8	2.7	2.8
Q146	C	116.7	114.4	110.4	113.2	113.7	114.3	114.1
Q147	E	117.9	115.0	111.6	114.5	115.0	115.5	115.4
	C	126.0	123.5	120.3	123.4	123.8	124.8	124.4
	В	119.6	119.5	110.5	118.4	118.2	114.2	114.2
Q146	C	80.1	84.9	91.2	63.4	82.6	92.5	82.2
9	В	94.0	93.3	88.3	92,4	92.1	94.2	90.6
Q149	E	1.6	1.6	1.4	1.7	1.7	1.7	1.7
	C	86.1	64.9	91.2	63,4	62.7	62.5	82.5
Q151	E	90.7	91.4	98.0	87.9	67.0	66.5	88.4
	С	69.2	8.88	96.5	66,4	65.3	64.0	84.7
	В	92.1	92.7	100.2	69.5	92.4	90.5	66.0
Q152	E	66.1	86,0	92,6	62.6	62.9	62.6	62.7
	C	10.8	10.5	9.7	10.9	10.9	10.9	11.0
Q154	В	92.5	92.9	9.99	90.1	66.7	90.4	69.2
Q155	В	66.3	88.5	95.7	65.7	83,9	84.6	63.9
Q157	E	62.4	61.1	67.5	79.9	79.9	60.6	79.4
	В	0.00	84.6	91.2	64.4	82.7	82.5	62.1
Q156	E	1.6	1.5	1.3	1.6	1.6	1.7	1.7
L	В	2.1	2.0	1.6	2.1	2.2	2.2	2.2
Q159	E	1.0	1.6	1.3	1.6	1.7	1.7	1.7
-	8	2.2	2.1	1.5	2.1	2.2	2.2	2.2
Q163	E	,0.2	0.6	2.7	0,5	-0.5	-0.7	-0.6
Q166	В	0.0	0.9	0.6	1.0	1.0	1.0	1.0
Q166	c	2.1	2.0	1.6	2.1	2.2	2.1	2.2
Q170	В	2.3	2.3	2.1	2.4	2.4	2.4	2,4
Q172	В	2.2	2.1	1.0	2.2	2.3	2.2	2.3
Q173	В	1.7	1.6	1,4	1.7	1.7	1.7	1.7
Q174	E	2.1	2.0	1.0	2.1	2.2	2.2	2.2
-	В	1.6	1.5	1.3	1.6	1.6	1.7	1.7
Q176	В	6.2	6.3	6.2	0.3	6.1	6.2	6.2
Q209	E	63.4	81.5	67.9	60.3	60.4	80.4	79.6
-	C	115,8	113.2	110.7	113.2	113.6	114,5	114.2
	B	67.6	66.4	92.6	65.0	84.3	84.2	63.6
Q210	C	66.5	86.3	93.1	63.0	83.3	63.0	82.6
-		116.5	114.2	111.5	113.9	114.5	115.1	114.0
Q211	C	115.9	113.6	111.7	113.3	113.8	114.5	114.3

< IC >

		PAL	SECAM	NTSC 3,58	NTSC 4.43	s (Y/C)	ANALOG RGB	COMPO- NENT
10102	Ø	0.8	6.8	0,0	8.6	0.0	0.0	0.0
1C108	2	0.2	0.1	0.1	0.1	0.1	0.1	0.2
	0	1.6	1.7	1.7	1.7	1.7	1.0	1.8
IC107	2	10.7	10.7	10.8	10.8	10.8	10.6	10.6
	0	1.2	10.7	0.0	0.0	0.0	0.0	0.0
IC106	0	9.7	0.4	9.7	9.6	9.6	1.1	9.6
IC109	0	11.3	11.3	0.0	10.8	0.0	0.0	0.0
	0	11.3	11.4	0.0	11.3	0.0	0.0	0.0
	0	11.7	0.0	0.0	11.7	0.0	0.0	0.0
	0	11.0	11.1	0.0	11.0	0.0	0.0	0.0
IC110	0	2.1	2.2	2.5	2.5	2.5	2.5	2.5
		11.3	11.3	0.0	11.3	0.0	0.0	0.0
	0	11.3	11.3	0.0	0.0	0.0	0.0	0.0
	0	0.6	0.6	2.5	2.5	2.5	2.5	2.5
	0	1.7	1.7	2.5	2.0	2.5	2.5	2.5
IC113	(3)	2.7	1.1	2.6	2.8	28	1.1	1.1
	0	4.2	4.3	4.2	4.3	4.3	4.0	4.8
	0	3.0	2.9	2.8	3.0	2.6	2.9	2.9
	9	2.2	2.5	2.9	2.2	1.9	2.0	2.8
IC114		11.4	11.3	0.0	0.0	0.0	0.0	0.0
	0	3.7	3.7	3.8	3.6	3.8	3.9	3.9
IC115	0	1.2	1.1	8.0	0.7	0.7	0.6	0.6
	0	3.5	3.5	3.4	2.8	3.4	3.4	3.4
IC116	0	0.0	0.0	1.0	1.1	1.1	1.3	1.1
IC120	0	5.5	5.0	5.6	5.6	5.8	5.8	5.8
	(3)	5.5	5.6	5.6	5.6	5.0	5.0	5.6
IC121	0	5.3	5.3	5.4	5.2	5.2	5.1	5.1
	0	5.6	5.7	5.8	5.8	5.7	5.7	5.7
	9	5.6	5.7	5.8	5.8	5.7	5.7	5.8
IC122	0	5.3	5.3	5.4	5.2	5.2	5.1	5.1
	3	5.3	5.3	5.4	5.2	5.2	5,1	5.1
IC124	0	0.1	0.1	0,2	0.2	0.2	0.2	0.2
IC125	0	1.4	1.4	1.3	1.4	1.5	1.5	1.5
IC128	Φ	1.8	1.5	1.3	1.0	1.8	1.7	1.0
	0	1.6	1.5	1.3	1.0	1.6	1.0	1.7
	8	1.7	1.6	1.4	1.7	1.7	1.6	1.7
IC127	0	3.0	2.9	2.6	3.0	3.1	3.0	3.0
	Ø	1.4	1.4	1.3	1.5	1.5	1.5	1.5
	0	2.1	2.7	2.4	2.8	2.8	2.8	2.8

B BOARD WAVEFORMS

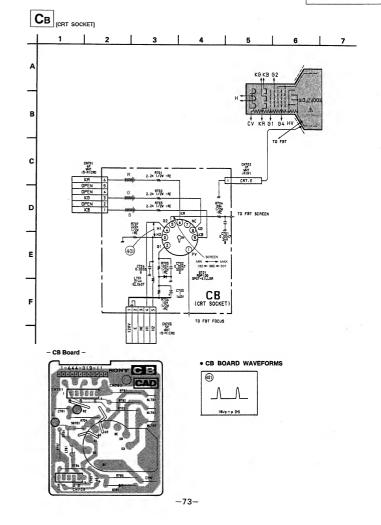
B BOARD WAVE	Ortho			
①	2		3	
	rhunhu	-177-		Married Larger
S (Y/C) 0.5Vp - p (H)	RGB 1Vp-p(H)	COMPONENT 0.5Vp - p (H)	RGB 1Vp~p (H)	COMPONENT IVp - p (H)
4		5		8
l u u u	-ՄԱՐ-ՄԱՐ			New Property
RGB 0.8Vp - p (H)	QOMPONENT 0.75Vp = p (H)	PAL 1Vp-p (H)	S (Y/C) 1Vp = p (H)	SECAM IVp - p (H)
(8)		143143	1 Land Land	
NTSC3.58 IVp - p (H)	NTSC4.43 1Vp - p (H)	S (Y/C) 1Vp-p (H)	PAL 0.75Vp - p (H) SECAM 0.75Vp - p (H)	NTSC3.58 1Vp = p (H)
9	100			0
	***	-	44	+(3)+(3)
NTSC4.43 IVp - p (H) S (Y/C) IVp - p (H)	PAL 0.2Vp - p (H)	NTSC3.58 0.3Vp-p (H)	NTSC4.43 0.15Vp - p (H)	PAL 0.3Vp - p (H)
11		12	(3)	
*>10>10>10>		-	March Land	
SECAM 0.2Vp - p (H)	NTSC3.56 0.2Vp - p (H) NTSC4.43 0.3Vp - p (H)	8 (Y/C) 0.2Vp-p (H)	PAL 0.8Vp - p (H) SECAM 0.8Vp - p (H)	NTSC3.58 1Vp - p (H) NTSC4.43 1Vp - p (H) S (Y/C) 1Vp - p (H)
(3)		14	15	16
	a Lander	1_1_		
RGB 0.8Vp - p (H)	COMPONENT IVp-p (H)	4Vp - p (H)	12Vp - p (H)	12Vp - p (H)
①	118	19	20	
~~~			\U\u\u+\U\u	-1/1-1/4
12Vp - p (H)	12Vp - p (H)	12Vp - p (H)	SECAM 0.5Vp - p (H)	SECAM 0.5Vp - p (H)
23			<b>3</b>	24
of many man	Marrie Marrie	منهمين		
PAL 0.7Vp - p (H)	SECAM 0.8Vp - p (H)	NTSC3.58 1Vp - p (H) NTSC4.43 1Vp - p (H) S (Y/C) 1Vp - p (H)	12Vp - p (H)	12Vp - p (H)

25)	26			
		<b>-</b> ₩₩-₩₩	<del>- My - My -</del>	Allen Allen
12Vp - p (H)	PAL 1.2Vp - p (H)	SECAM 1.2Vp ~ p (H)	NTSC3.58 1.2Vp - p (H) NTSC4.43 1.2Vp - p (H)	S (Y/C) 1.2Vp - p (H)
<b>6</b> 6		29		
nrown	-ՄՄՄ-ՄՄՆ	-1717-	-Munh	- Aller Aller
AGB 1.4Vp - p (H)	COMPONENT 1.4Vp = p (H)	PAL 1.3Vp - p (H)	SECAM 1.2Vp - p (H)	NTSC3.58 1.3Vp - p (H) NTSC4.43 1.3Vp - p (H) S (Y/C) 1.3Vp - p (H)
<b>②</b>		<b>8</b>		
nnnn	~~~~~	~~~		
RG8 1.4Vp = p (H)	COMPONENT 1.4Vp = p (H)	PAL 1.2Vp = p (H) SECAM 1.2Vp = p (H) COMPONENT 1.4Vp = p (H)	NTSC3.58 1.5Vp - p (H) NTSC4.43 1.5Vp - p (H) S (Y/C) 1.5Vp - p (H)	RGB 1.4Vp-p (H)
(9)	®₁	<b>③</b>		32
PAL 1Vp-p (H) SECAM 1Vp-p (H)	PAL IVO-D (H) SECAM IVO-D (H)	+		-
SECAM 1Vp - p (H) NTSC3.58 1Vp - p (H) NTSC4.43 1Vp - p (H) S (Y/C) 1Vp - p (H)	PAL 1Vp - p (H) SECAM 1Vp - p (H) NTSC3.58 1Vp - p (H) NTSC4.43 1Vp - p (H) S (Y/C) 1Vp - p (H)	PAL 0.36Vp - p (H)	NTSC3.58 0.3Vp - p (H) NTSC4.43 0.3Vp - p (H) S (Y/C) 0.32Vp - p (H)	PAL 0.2Vp - p (H)
32	33		۸۸۸۸	94
-	1	-	WW	
SECAM IVp - p (H)	PAL 0.7Vp - p (H)	SECAM 1.1Vp = p (H)	NTSC3.58 1.0Vp - p (H) (3.58NH2) NTSC4.43 0.8Vp - p (H) (4.43NH2) S (Y/C) 1.0Vp - p (H) (3.58NH2)	PAL 1.2Vp-p (H)
34	<b>35</b>		36	
4141	<u> </u>	-dhan-dan	+{	<b>-⊞+</b> ≡≡
NTSC3.58 1.2Vp - p (H) NTSC4.43 1.2Vp - p (H) S (Y/C) 1.2Vp - p (H)	PAL 0.5Vp - p (H)	NTSC3.58 1.2Vp - p (H) NTSC4.43 0.6Vp - p (H) S (Y/C) 1.2Vp - p (H)	PAL 0.4Vp-p (H)	SECAM 0.1Vp - p (H)
36	<b>9</b>			38
455	+3-+3-		Heliania-Heliania-	
NTSC3.58 0.3Vp = p (H) NTSC4.43 0.45Vp = p (H) S (Y/C) 0.35Vp = p (H)	PAL 0.55Vp - p (H)	SECAM 0.1Vp - p (H)	NTSC3.58 0.4Vp = p (H) S (Y/C) 0.4Vp = p (H)	PAL 0.4Vp = p (H) SECAM 1Vp = p (H) ROB 0.4Vp = p (H) COMPONENT 0.4Vp = p (H)
38	39	40	41)	@
			-VAVA	1872-188
NTSC3.58 0.4Vp - p (H) NTSC4.43 0.4Vp - p (H) 5 (Y/C) 0.4Vp - p (H)	12Vp - p (H)	PAL 11Vp - p (H)	PAL 1.8Vp-p (H)	NTSCASE   TW - + 00   NTSCASS   TW - + 00   S (r/C)   TW - + 00   S (r/C)   TW - + 00   S (w - + 00   C)   S (w - + 00   C)
43				44
	Man Ma	4141	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<del>^000</del> <del>- √000</del> -
PAL 0.35Vp - p (H)	SECAM 0.35Vp - p (H)	NTSC3.58 0.35Vp - p (H) NTSC4.43 0.32Vp - p (H) S (Y/C) 0.35Vp - p (H)	COMPONENT 0.28Vp - p (H)	PAL 0.45Vp - p (H)
44	-		45	
-ՄԱՆԱ-ՄԱՆԱ	APP APP	[.] ՄՈՆ-ՎՄՄՆ	~~~	
SECAM 0.45Vp - p (H)	NTSC3.58	8 (Y/C) 0.33Vp - p (H COMPONENT 0.36Vp - p (H	PAL 0.5Vp = p (H) SECAM 0.5Vp = p (H) COMPONENT 0.5Vp = p (H)	NTSC3.58 0.8Vp = p (H) NTSC4.43 0.8Vp = p (H) S (Y/C) 0.6Vp = p (H)

46)				
<del>-  1111  -  111  11-</del>	<del>-  </del>	<del></del>	<del>+++++++++++++++++++++++++++++++++++++</del>	<del> </del>
PAL 0.36Vp - p (H)	SECAM 0.35Vp - p (H)	NTSC3.58 0.8Vp - p (H)	NTSC4.43 0.8Vp - p (H)	S (Y/C) 0.8Vp - p (H)
46	47)	48,	49	<b>6</b> 9
COMPONENT 0.3Vp - p (H)	4.6Vp - p (V)	10.4Vp-p (V)	3.5Vp - p (V)	3.5Vp - p (H)
61)				
"hwr"hvir	որտարա	र क्रिएंप क्रिएंप	¹ww¹ww	rhwwhw
PAL 2.6Vp - p (H)	SECAM 3Vp-p (H)	NTSC3.58 3.2Vp - p (H) NTSC4.43 3.2Vp - p (H) S (Y/C) 3.2Vp - p (H)	COMPONENT 3Vp - p (H)	RG8 2.7Vp - p (H)
<b></b>			-	
, <u> </u>		التا ليا		2
PAL 2.6Vp - p (H)	SECAM 28Vp-p (H)	NTSC3.58 3.4Vp - p (H) NTSC4.43 3.4Vp - p (H) S (Y/C) 3.4Vp - p (H)	R38 2.7Vp-p (H)	COMPONENT 3Vp - p (H
63				
-br-br	ferenter.	المينيم لمينيه	Jest rist	المصالحت
PAL 2.5Vp - p (H)	SECAM 2.6Vp - p (H)	NTSC3.58 3.1Vp - p (H) NTSC4.43 3.1Vp - p (H) S (Y/C) 3.1Vp - p (H)	RGB 25Vp-p (H)	COMPONENT 2.8Vp = p (F
64		65	66	67)
$\sim \sim$		1 1	n -n	
PAL 0.6Vp = p (V) SECAM 0.6Vp = p (V) RG8 0.6Vp = p (V) COMPONENT 0.6Vp = p (V)	NTSC3.58 0.9Vp = p (V) NTSC4.43 1Vp = p (H) S (Y/C) 0.7Vp = p (V)			
58)	8 (Y/C) 0.7Vp - p (V)	11Vp-p (H)	10Vp - p (H)	2.4Vp - p (H)
, www.	Mwwlm	भगव भगव ।	ממו למממות למו	JwwJww
PAL 72Vp-p (H)	SECAM 80Vp - p (H)	NTSC3.58 86Vp - p (H) NTSC4.43 90Vp - p (H) S (Y/C) 86Vp - p (H)	RGB 70Vp - p (H)	COMPONENT SOVP - p (F
69				
~~~~~	~~~~~	F.F.		J-^L-
PAL 76Vp - p (H)	SECAM 72Vp - p (H) NTSC3.58 72Vp - p (H)	NTSC4.43 90Vp - p (H) S (Y/C) 86Vp - p (H)	PGB 70Vp - p (H)	COMPONENT SOVp - p (H
60				
$\sqrt{N_{1}N_{2}}$	$\frac{1}{2}$		harland	~~\\~~.
PAL 66Vp = p (H)	SECAM B4Vp-p (H)	NTSC3.58 80Vp - p (H) NTSC4.43 80Vp - p (H) S (Y/C) 80Vp - p (H)	RG8 70Vp-p (H)	COMPONENT 80Vp - p (F

1-6041QM

46				
	++		+++++++++++++++++++++++++++++++++++++++	
PAL 0.36Vp-p (H)	SECAM 0.35Vp - p (H)	NTSC3.58 0.8Vp - p (H)	NTSC4.43 0.6Vp-p (H)	S (Y/C) 0.8Vp - p (H)
46	47	48	49	69
COMPONENT 0.3Vp - p (H)	4.6Vp - p (V)	10.4Vp - p (V)	3.5Vp = p (V)	3.5Vp - p (H)
_iwim	պխտախու	र क्रियंग क्रियंग	⁻ խտ ⁻ խտ	ւրտուրու
PAL 2.5Vp - p (H)	SECAM 3Vp - p (H)	NTSC3.58 3.2Vp - p (H) NTSC4.43 3.2Vp - p (H) S (Y/C) 3.2Vp - p (H)	COMPONENT 3Vp - p (H)	8GB 2.7Vp-p (H)
69		*		
, <u> </u>	ساسساسه	1		2
PAL 2.5Vp - p (H)	SECAM 2.6Vp - p (H)	NTSC3.58 3.4Vp - p (H) NTSC4.43 3.4Vp - p (H) S (Y/C) 3.4Vp - p (H)	RGB 2.7Vp−p (H)	COMPONENT 3Vp - p (H)
69				
Jun Lin	المتألمد	مالين المالين	مليماليم	المصالحة
PAL 25Vp-p(H)	SECAM 2.5Vp - p (H)	NTSC3.58 3.1Vp - p (H) NTSC4.43 3.1Vp - p (H) S (Y/C) 3.1Vp - p (H)	RGB 2.6Vp - p (H)	COMPONENT 2.5Vp - p (H)
64	0 0	65	66	∅
PAL 0.8Vp - p (V)		_ل_ل		1-
PAL 0.8Vp = p (V) SECAM 0.8Vp = p (V) RGB 0.6Vp = p (V) COMPONENT 0.6Vp = p (V)	NTSC3.58 0.9Vp - p (V) NTSC4.43 1Vp - p (H) S (Y/C) 0.7Vp - p (V)		10Vp-p (H)	2.4Vp - p (H)
6 8				
ywywy	ռմեռուվու	भग्नेय भग्नेय ।	munungm	_ JwyJwn
PAL 72Vp-p (H)	SECAM 80Vp - p (H)	NTSC3.58 86Vp - p (H) NTSC4.43 90Vp - p (H) S (Y/C) 86Vp - p (H)	RGB 70Vp-p (H)	COMPONENT BOVP - p (H)
69				
	-11	A.A.	Act Act	السيسالسر
PAL 78Vp - p (H)	SECAM 72Vp - p (H) NTSC3.58 72Vp - p (H)	NTSC4.43 90Vp - p (H) S (Y/C) 56Vp - p (H)	RG8 70Vp-p (H)	COMPONENT 80Vp = p (H)
60				_
why	$\frac{1}{2}$	كبالكباد	harbard	277 ₁
PAL 66Vρ-ρ (H)	SECAM 84Vp - p (H)	NTSC3.58 80Vp - p (H) NTSC4.43 80Vp - p (H) S (Y/C) 80Vp - p (H)	RG8 70Vp−p (H)	COMPONENT 80Vp - p (H)



REF.NO. P

6 *4 7 1 8 *A 9 *A 10 A.1

6-6. SEMICONDUCTORS

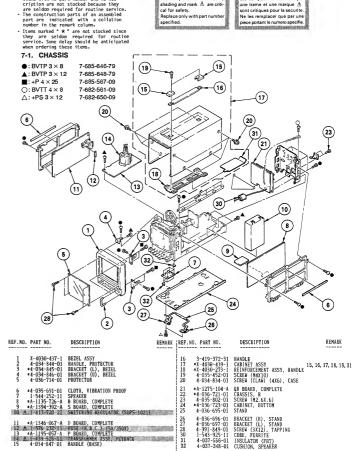
AN5265	MC14538BF	IMX1	2SK94-X4	152836
			Se R	C. C.
	_//(्रहायुप्त स	CR02AM-4TB	LL
CXA1214P	YMI Ç	2SA1091-0 2SC1890A-E		MA152WK 1SS226
(COURTONIA CO.)	M51279FP	2SC1890A-E 2SC2551-0 2SC25510		
1 12 (Top view)	ÉRABRARRARRARA É		gate cathode	AR,
CXA1478S	**************************************	Л.	DTZ15B DTZ20B	i <mark>"i"</mark> i
**************************************	tor vige	2SC2334-L 2SD835 2SD1134-C	DTZ24B DTZ5.6A DTZ8,2B	N13T1
(10° MEW)	μPC1377C		(Sin	
CX23025	220000000000000000000000000000000000000	, M	ANODE CATHODE	anade gate cathode
8765	(Top view)	2SC2555	EGP20G	RD3.6ESB1 RD5.6ESB2 RD8.2ESB3
7 7 7 7	VPILLALLE		ľ	L cashoda
(Top view)	XRU4011BF XRU4070BF	M	Ŗ	
LA7830	كيمسسي	<i>()</i> ()	, mee	anode
→⊕→	, nananana,	2SC2611 2SC2688-LK	ERC81-004 RU-3AM	RD6.2M-B1
	XRU4052BF XRU4053BF XRU4066BF	letter side	Cathode	<i>i</i>
LM7805CT LM7812CT	بنسستي		Lanode	J.B.
(iii)	immi,	2SC2958	18883	SLP281C-50
	XRU4584BF	2502958	18583	(الالا
<u> </u>	inni		þ	cathode pare
LM358D	<u></u>	E C B	enode	
MM1148XF MM1149XF NJM2245M XRA10393F	(10° vew)	2SC3736	MA110	U05G
LILL	DTA144EK DTC144EK 2SA1162-G		\bigotimes	E mode
	2SC2412K-QR	11.	Cathada	
1 2) 4 (TOP WEW)	(B.B.	-74-		

SECTION 7 EXPLODED VIEWS

· Items with no part number and no des-

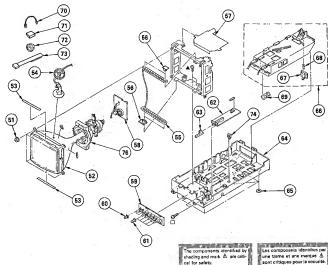
The components identified by shading and mark A are critical for safety.

Les composants identifies par une trame et une marque A



7-2. PICTURE TUBE

▲: BVTP 3 × 12 7-685-648-79 □: PSW 3 × 10 7-682-649-09



REF. NO	. PART NO.	DESCRIPTION REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
53	8-733-921-05 4-036-700-01 *4-034-856-01	FLANGE NUT. 5HN LER-DGUY CLOTH, PROTECTION HOLDER, HY CABLE COIL DEMAGNETIZATION	66 67 68 69 70	*X-4030-163-1 4-034-861-01 4-876-347-01 3-669-594-00 4-308-870-00	GUIDE ASSY, BATTERY RNOB, BATTERY SPRING, COMPRESSION SPRING, COMPRESSION CLIP, LEAD WIRE	67, 68
56 57 58 59 60	4-380-534-01 *4-036-713-01 *1-644-019-11 *1-644-020-11 4-034-849-01	CAP, DGC INSULATOR CB BOARD HB BOARD SWITCH (SMALL), PUSH	71 72 73 74	1-452-126-11 1-452-094-00 X-4308-815-0 *4-314-320-00	MAGNET MAGNET, ROTATABLE DISK; 15HM PERMALLOY ASSY, CONVERGENCE MOLDER, WIRE DEPLECTION YOKE (YOGJVA2)	
61 62 63 64 65	X-4030-162-1 *1-644-021-11 4-034-841-01 *X-4030-438-1 4-034-840-01	KNOB ASSY, CONTROL FC BOARD SWITCH, POWER CHASSIS ASSY, BOTTOM RUBBER, FOOT				



SECTION 8 ELECTRICAL PARTS LIST

NOTE:

The components identified by shading and mark \triangle are critical for safety.

cas for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque & sont critiques pour la securité.
No les remplacer que par une piece portant le numero specifie.

 Items marked " * " are not stocked since they are seldox required for routine service. Some delay should be anticipated when ordering these items.

 All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS
• All resistors are in ohms
• F : nonflammable

When indicating parts by reference number, please include the board name.

CAPACITORS COILS
• MF : μF, PF : μμF • MMH : πH, UH : μH

 The components identified by
 In this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray rediation. Should replacement be required, replace only with the value ordinally used.

REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION		REMARK
	A-1135-726-A 3-738-015-01	B BOARD, COMP	LEYE **** 6) CARBON Y6	1		C146 C147 C148	1-126-157-11 1-164-232-11 1-126-160-11 1-163-022-00 1-124-589-11	ELECT 10MF CERAMIC CHIP 0.01MF ELECT 1MF CERAMIC CHIP 0.012MF ELECT 47MF	20% 10% 20% 10% 20%	16V 50V 50V 50V 16V
BPF101 BPF102	1-236-363-11 1-236-364-11	FILTER, BAND I	PASS PASS			C151 C152 C153 C154 C155	1-163-131-00 1-163-101-00 1-163-125-00 1-163-031-11 1-163-133-00	CERAMIC CHIP 390PF CERAMIC CHIP 22PF CERAMIC CHIP 220PF CERAMIC CHIP 0.01HF CERAMIC CHIP 470PF	5% 5% 5%	50V 50V 50V 50V 50V
C101 C102 C103 C106 C107	<pre><cap 1-124-477-11="" 1-124-589-11="" 1-126-157-11="" 1-163-031-11="" 1-163-031-11<="" pre=""></cap></pre>	ACITOR> ELECT CERAMIC CHIP (BLECT BLECT CERAMIC CHIP (47MF D. 01MF IOHE 17MF	20% 20% 20%	167 507 167 167	C156 C157 C158 C159 C160	1-164-299-11 1-163-229-11 1-124-477-11 1-163-229-11 1-163-229-11	CERAMIC CHIP 0.22MF CERAMIC CHIP 12PF ELECT 47MF CERAMIC CHIP 12PF CERAMIC CHIP 12PF	102 52 202 52 52	25 V 50 V 16 V 50 V 50 V
C108 C109 C110 C111 C112	1-124-477-11 1-124-477-11 1-124-120-11 1-163-031-11 1-163-031-11	ELECT ELECT ELECT CERAMIC CHIP (47MF 47MF 220MF 0,01MF	20% 20% 20%	16V 16V 16V 50V	C161 C162 C163 C164 C165	1-124-902-00 1-124-903-11 1-163-809-11 1-163-809-11 1-163-009-11	CERAMIC CHIP 0.001MF	10% 10% 10%	50V 50V 25V 25V 50V
C113 C114 C115 C116 C117	1-163-031-11 1-124-477-11 1-163-031-11 1-124-589-11 1-126-154-11	ELECT ELECT ELECT CERAMIC CHIP (CELECT (0.01MF 17MF 0.01MF 17MF 17MF	20% 20% 20%	50V 16V 50V 16V 6.3V			CERAMIC CHIP 0.01MF ELECT 47MF CERAMIC CHIP 0.01MF CERAMIC CHIP 47PF CERAMIC CHIP 330PF	5% 5%	50V 16V 50V 50V 50V
C118 C119 C120 C121 C122	1-126-154-11 1-163-031-11 1-126-154-11 1-124-477-11	CERAMIC CHIP CELECT	17MF D. 01MF 17MF 17MF 17MF	201 201 201 201	6.3V 50V 6.3V 16V 16V	(11)	1-108-792-11	CERAMIC CHIP 47PF CERAMIC CHIP 330PF ELECT 47MF ELECT 47HF MYLAR 0.001HF	3%	50V 50V 16V 16V 50V
C123 C125 C126 C128 C129	1-163-031-11 1-126-154-11 1-163-031-11 1-126-154-11	CERAMIC CHIP (ELECT CERAMIC CHIP (ELECT CERAMIC CHIP (0.01MF 17MF 0.01MF 17MF 0.01MF	20% 20%	50Y 6.3V 50Y 6.3V 50Y	C176 C177 C178 C179 C180	1-163-031-11 1-163-031-11 1-163-031-11 1-126-160-11 1-163-031-11	CERAMIC CHIP O.OIMF CERAMIC CHIP O.OIMF CERAMIC CHIP O.OIMF ELECT IMF CERAMIC CHIP O.OIMF	20%	50V 50V 50V 50V 50V
C130 C131 C132 C133	1-163-031-11 1-163-031-11 1-124-589-11 1-124-589-11 1-163-275-11	CERAMIC CHIP (CERAMIC CHIP (ELECT ELECT CERAMIC CHIP (D. O1MF D. O1MF 17MF 17MF D. O01MF	20% 20% 5%	50Y 50Y 16Y 16Y 50Y	C181 C182 C183 C184 C185	1-126-154-11 1-126-163-11 1-164-232-11 1-163-031-11 1-163-031-11	ELECT 47HF ELECT 4.7MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF	20% 20% 10%	6.3V 16V 50V 50V 50V
C135 C137 C138 C139	1-163-113-00 1-163-115-00 1-124-589-11 1-163-031-11 1-163-205-00	CERANIC CHIP (CERANIC CHIP (ELECT CERANIC CHIP (CERANIC CHIP (58PF 32PF 17MF 1 01MF	5% 5% 20%	50V 50V 16V 50V 50V	C186 C187 C188 C189 C190		CERAMIC CHIP 18PF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.047MF CERAMIC CHIP 150PF		50V 50V 50V 50V 50V
		CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP				C191 C192 C193 C194 C195	1-163-031-11 1-163-031-11 1-124-589-11 1-124-589-11 1-124-589-11	CERAMIC CHIP O.01MF CERAMIC CHIP O.01MF BLECT 47MF BLECT 47MF BLECT 47MF	201 201 201	50Y 50Y 16V 16Y



	O. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
C196 C197	1-124-589-11 1-124-589-11	ELECT 4	7HF	20% 20%	16V 16V	C264	1-163-123-00			5%	50¥
C198 C199 C202	1-124-589-11 1-124-589-11 1-124-589-11	ELECT 4	7MP	20% 20% 20%	16V 16V 16V	C265 C266 C267	1-163-129-00 1-126-320-11 1-126-320-11 1-124-477-11	CERANIC CRIP BLECT BLECT	10MF 10MF	57 207 207 207 207	50V 16V 16V
C203 C204	1-124-589-11 1-124-589-11	RLECT 4	7MF 7MP	20% 20% 5%	16¥ 16¥	C268 C269	1-164-004-11	CERANIC CHIP		10%	16V 25V
C205 C206 C207	1-163-101-00 1-164-298-11 1-164-298-11	CERAMIC CHIP 2 CERAMIC CHIP 0 CERAMIC CHIP 0	2PF - 15MF - 15MF	10% 10%	50V 25V 25V	C270 C271 C272 C273	1-164-004-11 1-163-809-11 1-163-129-00 1-163-129-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1MF 0.047MF 330PF 330PF	10% 10% 5%	25V 25V 50V 50V
C208 C209 C210	1-163-101-00 1-164-004-11 1-124-589-11	CERAMIC CHIP 2 CERAMIC CHIP 0 ELECT 4	. 1 MF	5% 10% 20%	50V 25V 16V	C274	1-124-477-11	ELEC7	47MF	20% 5%	16V 50V
C211 C212	1-124-589-11 1-124-589-11	ELECT 4	7MF 7MF	20%	16V 16V	C277 C278 C279	1-163-097-00 1-163-809-11 1-126-157-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT	10MF	5% 10% 20%	50V 25V 16V
C213 C214 C215	1-124-589-11 1-126-157-11 1-126-157-11	ELECT 1	OMF	20% 20% 20%	16V 16V 16V	C280 C281	1-163-117-00 1-163-031-11	CERAMIC CHIP		5%	50 V
C216 C217	1-126-157-11 1-163-031-11	CERAMIC CHIP O	.01MF	20%	16V 50V	C282 C283 C299	1-163-031-11 1-163-031-11 1-163-031-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.01MF		50¥ 50¥ 50¥
C218 C219 C220	1-164-298-11 1-163-009-11 1-163-031-11	CERAMIC CHIP O CERAMIC CHIP O CERAMIC CHIP O	.001MF -	10%	25V 50V 50V	C300	1-126-157-11	CERAMIC CHIP		20% 10%	16V 25V
C221 C222	1-124-903-11 1-163-093-00	CERANIC CHIP I	OPF	20% 5%	50V 50V	C302 C303 C304	1-124-589-11 1-126-157-11 1-163-125-00	ELECT ELECT CERAMIC CHIP	47MF 10MF 220PF	207 207 57	16V 16V 50V
C223 C225 C226	1-163-031-11 1-124-477-11 1-163-031-11	CEDAMIC CUID O	7MF	20%	50V 16V 50V	C305	1-124-257-00 1-163-115-00 1-163-145-00	CERAMIC CRIP CERAMIC CHIP	2.2MF 82PF	20% 5%	50V
C227 C228	1-163-038-00 1-163-986-00	CERAMIC CHIP O		10%	25V 25V	C307 C308 C309	1-164-004-11 1-164-004-11	CERAMIC CHIP	0.1MF 0.1MF	10%	50V 25V 25V
C229 C230 C231	1-163-031-11 1-163-038-00 1-163-986-00	CERAMIC CHIP O CERAMIC CHIP O CERAMIC CHIP O CERAMIC CHIP O CERAMIC CHIP O	.01MF .1MF .027MF	10%	50V 25V 25V	C310	1-164-004-11 1-163-115-00 1-126-157-11	CERAMIC CHIP	82PF	10% 5% 20%	25V 50V
C232 C233 C234	1-163-031-11 1-163-031-11				50V 50V 25V	C314 C315 C316	1-164-299-11	ELECT CERAMIC CHIP ELECT CERAMIC CHIP	10MF	10% 20%	16V 25V 16V 50V
C235 C236 C237	1-163-038-00 1-163-986-00 1-163-031-11 1-163-031-11	CERAMIC CHIP O CERAMIC CHIP O CERAMIC CHIP O CERAMIC CHIP O CERAMIC CHIP O	027NF	10%	25V 50V 50V	C317 C318 C319	1-163-031-11 1-163-103-00 1-163-103-00	CERAMIC CHIP CERAMIC CHIP		5%	50V 50V
C238	1-164-299-11	CERAMIC CHIP O		10% 10%	25V 25V	C320 C321 C322	1-163-103-00 1-163-121-00 1-163-121-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	27PF 150PF	5% 5% 5%	50V 50V 50V
C240 C241 C242	1-163-809-11 1-163-809-11 1-163-113-00	CERAMIC CHIP O CERAMIC CHIP O	.047MF	10% 10% 5%	25V 25V 50V	C324 C340	1-163-121-00 1-163-205-00	CERAMIC CHIP		5%	50V 50V
C243 C244	1-163-031-11	CERAMIC CHIP O	. 01MF		50V 50V	C344 C345 C346	1-163-092-00 1-163-105-00 1-163-105-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	9PF 33PF	0.25PF 5% 5%	50Y 50Y 50Y
C245 C246 C247	1-163-105-00 1-163-809-11 1-163-809-11	CERAMIC CHIP 3: CERAMIC CHIP O CERAMIC CHIP O CERAMIC CHIP O	3PF .047NF .047NF	5% 5% 10% 10%	50V 25V 25V	C347 C1293	1-163-105-00 1-163-115-00	CERAMIC CRIP CERAMIC CHIP	33PF	5%	50V 50V
C248 C249	1-163-809-11	ELECT 1	DONE	201	25V 16V	C1294 C1295 C1296	1-163-115-00 1-163-115-00 1-163-107-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	82PF	5% 5% 5% 5%	50V 50V 50V
C250 C251 C252	1-163-017-00 1-110-364-11 1-124-046-00	CERAMIC CHIP O MYLAR . O ELECT 1	.0047MF .1MF OMF	10% 10% 20%	50V 200V 160V	C1297 C1298 C1299	1-163-099-00 1-163-109-00	CERANIC CHIP CERANIC CHIP	18PF 47PF	5% 5%	50V 50V
C253 C254	1-124-477-11 1-163-031-11	CERAMIC CHIP O	7MF .	20%	16V 50V	C1299 C1300 C1301	1-163-093-00 1-126-160-11 1-126-160-11	CERAMIC CHIP ELECT BLECT	10PF IMF IMF	52 202 202	50V 50V 50V
C255 C256 C257 C258	1-124-477-11 1-163-129-00 1-163-129-00 1-163-129-00	CERAMIC CHIP 3: CERAMIC CHIP 3: CERAMIC CHIP 3:	7NF 3OPF 3OPF	20% 5% 5%	16V 50V 50V	C1302	1-126-160-11	ELECT	INF	20%	50 V
					50¥		<fil< td=""><td>TER BLOCK></td><td></td><td></td><td></td></fil<>	TER BLOCK>			
C260 C261 C262 C263	1-124-465-00 1-137-193-11 1-124-465-00 1-163-031-11	FILM 0	.39MF .47MF	201 51 201	507 507 507 507	CFM101	1-464-880-11	FILTER BLOCK,	COM (CFB-2)		



REF.NO. PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMAR	
	NECTOR>		D148 D149	8-719-404-46 8-719-404-46	DIODE MAIIO DIODE MAIIO		
	PIN, CONNECTOR 13P PLUG, CONNECTOR 3P CONNECTOR, BOARD TO BOARD 12P PIN, CONNECTOR 12P PLUG, CONNECTOR 6P		D150 D151 D152 D153 D154	8-719-404-46 8-719-404-46 8-719-404-46 8-719-977-20 8-719-404-46	DIODE MAILO DIODE MAILO DIODE DTZ8.2B		
CN107 1-506-478-11	PIN, CONNECTOR 13P		D155 D156	8-719-404-46 8-719-404-46	DIODE MA110 DIODE MA110		
	IP MODULE>		D157	8-719-901-83 8-719-901-83	DIODE 1883 DIODE 1883		
CTR101 1-236-366-11 C7R102 1-236-365-11	MODULE, TRAP MODULE, TRAP		D159 D160	8-719-901-83	DIODE 18883		
<tri< td=""><td>MHER></td><td></td><td>D161 D162 D170</td><td>8-719-404-46 8-719-404-46 8-719-404-46 8-719-404-46</td><td>DIODE MALIO</td><td></td><td></td></tri<>	MHER>		D161 D162 D170	8-719-404-46 8-719-404-46 8-719-404-46 8-719-404-46	DIODE MALIO		
CV101 1-141-418-11 CV102 1-141-418-11	CAP, ADJ CAP, ADJ		D171	8-719-404-46	DIODE MAILO		
			D172 D285	8-719-404-46 8-719-404-46	DIODE MAILO		
<d10 D101 8-719-404-46</d10 			D289 D341 D342	8-719-404-46 8-719-404-46 8-719-104-34	D10DE MA110 D10DE 1S2836		
D102 8-719-404-46 D104 8-719-404-46	DIODE MAILO		D343 D344 D345 D346	8-719-800-76 8-719-105-XX 8-719-901-83	D10DE 1SS226 D10DE RD6.2M-B1 D10DE 1SS83 D10DE 1SS83		
D107 8-719-404-46 D108 8-719-404-46	DIODE MAIIO DIODE MAIIO		D347	8-719-901-83	D10DE 1SS83		
D109 8-719-404-46 D110 8-719-404-46 D111 8-719-404-46	DIODE MAIIO DIODE MAIIO DIODE MAIIO		D348 D349 D350 D393	8-719-800-76 8-719-800-76 8-719-800-76 8-719-404-46	D10DE 1SS226 D10DE 1SS226 D10DE 1SS226 D10DE HA110		
D113 8-719-404-46	DIODE NATIO			4DEI	AY LINE>		
D114 8-719-404-46 D115 8-719-404-46 D116 8-719-404-46	DIODE MAIIO DIODE MAIIO DIODE MAIIO		DL101		DELAY LINE, Y		
D117 8-719-404-46 D118 8-719-404-46	DIODE MAILO			<10>			
D119 8-719-404-46 D120 8-719-404-46 D121 8-719-404-46	DIODE MAILO DIODE MAILO DIODE MAILO DIODE MAILO		JC102 JC103	8-759-501-21 8-759-501-21	IC MM1149XF		
D122 8-719-404-46 D123 8-719-404-46	DIODE MAILO DIODE HAILO		10105 10106	8-759-048-09 8-759-048-09 8-759-009-51	IC MMI148XF IC MC14538BF		
D125 8-719-404-46 D126 8-719-404-46 D127 8-719-404-46	DIODE MAILO DIODE MAILO DIODE MAILO		1C107 1C108	8-759-509-57 8-759-509-17	1C XRU4584BF 1C XRU4053BF		
D128 8-719-400-18 D129 8-719-404-46	DIODE MAIS2WK DIODE MAIIO		IC109	8-759-509-17 8-759-509-37 8-759-509-17 8-759-509-17	1C XRU40708F 1C XRU40538F		
D130 8-719-800-76 D131 8-719-800-76	DIODE 1SS226 DIODE 1SS226		TC112	8-759-924-12	1C LM7805CT		
D132 8-719-800-76 D133 8-719-404-46	DIODE ISS226 DIODE MA110		10113 10114 10115	8-759-631-08 8-759-509-13 8-759-509-13	IC M51279FP 1C XRU4052BF 1C XRU4052BF		
D134 8-719-404-46 D135 8-719-404-46	DIODE MALIO DIODE MALIO		10116	8-759-509-05	1C XRU4066BF		
D136 8-719-404-46 D137 8-719-404-46	DIODE MAITO DIODE WALLO		10117 10118 10119	8-759-711-32 8-759-711-32 8-759-711-32	IC NJH2245M IC NJH2245M IC NJH2245M		
D138 8-719-404-46 D139 8-719-404-46	DIODE MALLO DIODE MALLO		10120	8-759-509-05	1C XRU4066BF 1C XRU4053BF		
D142 8-719-404-46 D143 8-719-404-46 D144 8-719-404-46	D10DE MA110 D10DE MA110 D10DE MA110		10122 10123	8-759-998-98	IC LM358D		
D145 8-719-404-46	DIGDE MAIIO		IC124	8-759-998-98 8-759-998-98 8-752-052-62 8-759-509-05	IC CXA1478S IC XRU4066BF		
D146 8-719-404-46 D147 8-719-404-46	DIODE HAILO		10126	8-759-509-17	IC XRU4053BF		



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION		REMARK
EC128	8-759-998-98 8-759-998-98 8-759-998-98	1C LM358D		Q141 Q142 Q143		TRANSISTOR 2SC2412K-QR TRANSISTOR 2SC2412K-QR TRANSISTOR 2SC2412K-QR		
	<0011	L> -		Q144 Q145	8-729-920-74 8-729-920-74	TRANSISTOR 2SC2412K-QR TRANSISTOR 2SC2412K-QR		
L101 L102 L103	1-410-470-11 1-410-090-41 1-412-002-31	INDUCTOR 10UH INDUCTOR 18MMH INDUCTOR CBIP 4.7UH		Q146 Q147 Q148		TRANSISTOR 2SC2412K-QR TRANSISTOR 2SC2412K-QR TRANSISTOR 2SC2551-O TRANSISTOR 2SC2551-O TRANSISTOR 2SA1162-G		
L104 L105	1-412-002-31 1-412-002-31 1-412-002-31	INDUCTOR CHIP 4.7UH INDUCTOR CHIP 4.7UH		Q149 Q150 Q151	8-729-200-17 8-729-920-74 8-729-216-22	TRANSISTOR 2SA1091-0 TRANSISTOR 2SC2412K-QR TRANSISTOR 2SA1162-G TRANSISTOR 2SA1091-0 TRANSISTOR 2SC2412K-QR		
L106 L107 L108	1-410-470-11 1-410-470-11 1-408-418-00	INDUCTOR 10UH INDUCTOR 10UH INDUCTOR 56UH		Q152 Q153				
L109 L110	1-408-418-00 1-408-418-00	INDUCTOR 56UH		Q154 Q155 Q157	8-729-216-22 8-729-200-17 8-729-326-11 8-729-326-11	TRANSISTOR 2SA1162-G TRANSISTOR 2SA1091-0 TRANSISTOR 2SC2611 TRANSISTOR 2SC2611		
L112 L116 L117 L118	1-408-419-00 1-412-011-31 1-412-011-31 1-412-011-31 1-410-997-31	INDUCTOR CHIP 27UH INDUCTOR CHIP 27UH		Q158 Q159	8-729-326-11	TRANSISTOR 2SC2611		
L250	1-410-997-31	INDUCTOR CHIP 2.20H		Q160 Q161 Q162 Q163 Q164	8-729-920-74 8-729-216-22 8-729-920-74	TRANSISTOR 2SC2412K-QR TRANSISTOR 2SA1162-G TRANSISTOR 2SC2412K-QR TRANSISTOR 2SC2412K-QR		
L251 L252 L300	1-410-478-11 1-410-482-31	INDUCTOR 47UH INDUCTOR 1000H		Q164	8-729-901-01	TRANSISTOR DTC144EK		
	<trai< td=""><td> 1800CT08</td><td></td><td>Q165 Q166 Q167 Q168</td><td>8-729-216-22 8-729-216-22 8-729-216-22 8-729-216-22</td><td>TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G</td><td></td><td></td></trai<>	1800CT08		Q165 Q166 Q167 Q168	8-729-216-22 8-729-216-22 8-729-216-22 8-729-216-22	TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G		
Q101 Q102 Q103	0 720 020 74	TRANSISTOR OCCUATOR-OR		0171	8-129-920-14	TRANSISTUR 25024124-48		
Q104 Q106	8-729-920-74 8-729-920-74	TRANSISTOR 2SC2412K-QR TRANSISTOR 2SC2412K-QR TRANSISTOR 2SC2412K-QR		0172 0173 0174	8-729-920-74 8-729-216-22 8-729-216-22	TRANSISTOR 2SC2412K-QR TRANSISTOR 2SC2412K-QR TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G		
Q107 Q108 Q109 Q112	8-729-920-74 8-729-216-22 8-729-901-01 8-729-920-74 8-729-920-74	TRANSISTOR 2SC2412K-QR TRANSISTOR 2SA1162-G TRANSISTOR DTC144EK TRANSISTOR 2SC2412K-QR TRANSISTOR 2SC2412K-QR		Q175 Q176 Q177		TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SC2412K-QR TRANSISTOR 2SC2412K-QR TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SC2412K-QR		
Q113 Q114	0_720_216_22	TRANCISTOR 2541162-6		0179 0190 0191	8-729-901-01 8-729-216-22 8-729-920-74	TRANSISTOR DICIAGER TRANSISTOR 2SA1162-G- TRANSISTOR 2SC2412K-QR		
0115 0116 0117 0118	8-729-216-22 8-729-920-74 8-729-920-74 8-729-216-22 8-729-920-74	TRANSISTOR 2SC2412K-QR TRANSISTOR 2SC2412K-QR TRANSISTOR 2SC2412K-QR TRANSISTOR 2SC2412K-QR		0192 0193 0194	8-729-920-74 8-729-920-74 8-729-920-74			
Q119 Q120				Q195 Q196				
0121 0122 0123		TRANSISTOR 2SAI162-G TRANSISTOR 2SAI162-G TRANSISTOR 2SC2412K-QR TRANSISTOR 2SAI162-G TRANSISTOR 2SC2412K-QR		Q197 Q198 Q199 Q200 Q201	8-729-216-22 8-729-216-22 8-729-216-22 8-729-901-06	TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR DTA144EK		
Q124 Q125	8-729-216-22 8-729-920-74	TRANSISTOR 2SA1162-G TRANSISTOR 2SC2412K-QR		Q201	8-729-901-06 8-729-216-22	INANSISTUR ZSATIOZ-G		
Q126 Q127 Q128	8-729-901-01 8-729-216-22 8-729-216-22	TRANSISTOR DSC24/12-QR TRANSISTOR DTC144EK TRANSISTOR DTC144EK TRANSISTOR DSA1162-G TRANSISTOR DSA1162-G TRANSISTOR DSC24/12-QR TRANSISTOR DSC24/12-QR TRANSISTOR DSC24/12-QR TRANSISTOR DSC24/12-QR TRANSISTOR DSC24/12-QR		9202 9203 9204 9205	8-729-216-22 8-729-216-22 8-729-216-22	TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G		
Q129 Q130 Q131	8-729-901-01 8-729-216-22 8-729-920-74	TRANSISTOR DTC144EK TRANSISTOR 2SA1162-G TRANSISTOR 2SC2412K-OR		Q206 0208				
Q132 Q133	8-729-216-22 8-729-920-74	TRANSISTOR 2SA1162-G TRANSISTOR 2SC2412K-QR		Q209 Q210 Q211	8-729-255-12 8-729-255-12 8-729-255-12	TRANSISTOR 2SA1162-G TRANSISTOR 2SC2551-0 TRANSISTOR 2SC2551-0- TRANSISTOR 2SC2551-0 TRANSISTOR 2SK94-X4		
Q134 Q135 Q136 Q137	8-729-901-01 8-729-920-74 8-729-907-26 8-729-907-26 8-729-907-26	TRANSISTOR DTC144EK TRANSISTOR 2SC2412K-QR TRANSISTOR IMX1 TRANSISTOR IMX1 TRANSISTOR IMX1		Q212 Q299		TRANSISTOR 2SK94-X4 TRANSISTOR 2SC2412K-QR		2
Q138 Q139					<res< td=""><td>ISTOR></td><td></td><td></td></res<>	ISTOR>		
Q140	8-729-920-74	TRANSISTOR 2SA1162-G TRANSISTOR 2SC2412K-QR		JR101	1-216-295-00	METAL GLAZE 0 5%	1/10W	



REF.NO.	PART NO.	DESCRIPTION			REMARK		PART NO.	DESCRIPTION				REMARK
JR105 JR118 JR132 JR133 JR178	1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE HETAL GLAZE HETAL GLAZE HETAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R174 R175 R176 R177 R178	1-216-069-00 1-216-057-00 1-216-065-00 1-216-073-00 1-216-089-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	6.8K 2.2K 4.7K 10K 47K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
L113 L114 L115 R101 R102	1-216-296-00 1-216-296-00 1-216-296-00 1-216-089-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 47% 5% 100 5%			R179 R180 R181 R182 R183	1-216-081-00 1-216-679-11 1-216-071-00 1-216-683-11 1-216-691-11	METAL GLAZE METAL CHIP METAL GLAZE METAL CHIP METAL CHIP	22K	52 0.502 52 0.502 0.502 0.502	1/10W	
R103 R104 R105 R106 R107	1-216-091-00 1-216-061-00 1-216-025-00 1-216-065-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	56K 5% 3.3K 5% 100 5% 4.7K 5% 100 5%			R184 R185 R186 R187 R188	1-216-699-11 1-216-073-00 1-216-113-00 1-216-073-00 1-216-113-00 1-216-103-00	METAL CHIP METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100K 10K 470K 10K 470K 180K	0.50% 5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	
R108 R109 R110 R111 R112	1-216-113-00 1-216-065-00 1-216-049-00 1-216-063-00 1-216-049-00 1-249-401-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE CARBON	470X 5% 4.7K 5% 1X 5% 3.9K 5% 1X 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R189 R190 R191 R192 R193 R194	1-216-103-00 1-216-107-00 1-216-097-00 1-216-103-00 1-216-105-00 1-216-089-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	270K 100K 180K 220K 47K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R114 R115 R117 R118	1-216-045-00 1-216-061-00 1-216-073-00 1-216-025-00 1-216-647-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	680 5% 3.3K 5% 10K 5% 100 5%	1/10W 1/10W 1/10W		R195 R196 R197 R198 R199	1-216-039-00 1-216-073-00 1-216-671-11 1-216-049-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL CHIP METAL GLAZE HETAL GLAZE	470K 10K 6.8K 1K 4.7K	5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R120 R121 R123 R124 R125	1-216-647-11 1-216-025-00 1-216-073-00 1-216-073-00 1-216-083-00	METAL CHIP METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10k 5%			R200 R201 R202 R203 R204	1-216-065-00 1-216-043-00 1-216-033-00 1-216-045-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 560 220 680 10X	52 52 52 52 52	1/10W 1/10W 1/10W 1/10W 1/10W	
R126 R127 R128 R129 R130	1-216-093-00 1-216-037-00 1-216-083-00 1-216-067-00 1-216-097-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	68K 5% 330 5% 27K 5% 5.6K 5%			R205 R206 R207 R208 R208	1-216-073-00 1-216-043-00 1-216-045-00 1-216-671-11 1-216-043-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL CHIP METAL GLAZE	10K 560 680 6.8K 560	5% 5% 5% 0.50%	1/10W 1/10W 1/10W 1/10W 1/10W	
R136 R137 R138 R139 R140	1-216-091-00 1-216-045-00 1-216-657-11 1-216-079-00	METAL GLAZE METAL GLAZE METAL CHIP METAL GLAZE	56K 5% 680 5% 1.8K 0. 18K 5%	50% 1/10W 1/10W		R210 R211 R212 R213 R214	1-216-033-00 1-216-099-00 1-216-065-00 1-216-043-00 1-216-043-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 120K 4.7K 560 560	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R141 R142 R143 R144	1-216-653-11 1-216-063-00 1-216-073-00 1-216-085-00 1-216-089-00	METAL CHIP METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE		50% 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W		R215 R216 R217 R218 R219	1-216-125-00 1-216-043-00 1-216-033-00 1-216-295-00 1-216-043-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1.5M 560 220 0 560	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R146 R148 R155 R157	1-216-065-00 1-216-037-00 1-216-671-11 1-216-655-11 1-216-679-11	METAL GLAZE HETAL CHIP METAL CHIP METAL CHIP	330 5% 6.8% 0. 1.5% 0. 15% 0.	50% 1/10W 50% 1/10W 50% 1/10W		R220 R221 R222 R223 R224	1-216-043-00 1-216-035-00 1-216-033-00 1-216-073-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	560 270 220 10K 10K	57 57 57 57 57	1/10W 1/10W 1/10W 1/10W 1/10W	
R160 R161 R163 R164 R165	1-216-677-11 1-216-065-00 1-216-089-00 1-216-073-00 1-216-677-11 1-216-107-00	NETAL GLAZE HETAL GLAZE METAL GLAZE HETAL CHIP HETAL GLAZE	4.7K 5% 47K 5% 10K 5% 12K 0.	1/10W 1/10W 1/10W 50% 1/10W		R225 R226 R227 R228 R229	1-216-095-00 1-216-073-00 1-216-035-00 1-216-065-00 1-216-113-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	82K 10K 270 4.7K 470K	57 57 57 57 57	1/10W 1/10W 1/10W 1/10W 1/10W	
R166 R167 R168 R169	1-216-681-11 1-216-635-11 1-216-103-00 1-216-033-00 1-216-089-00	METAL CHIP METAL CHIP METAL GLAZE METAL GLAZE METAL GLAZE	18% 0. 220 0: 180% 5% 220 5%	50% 1/10W 50% 1/10W 1/10W 1/10W		R230 R231 R232 R233 R234	1-216-081-00 1-216-113-00 1-216-105-00 1-216-073-00 1-216-041-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	22K 470K 220K 10K 470	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R171 R172 R173	1-216-053-00 1-216-043-00	METAL GLAZE METAL GLAZE METAL GLAZE	47% 5% 1.5% 5% 560 5% 68% 5%	1/10W 1/10W 1/10W		R235 R236	1-216-041-00 1-216-077-00	METAL GLAZE METAL GLAZE	470 15%	5% 5%	1/10W 1/10W	



REF. N	PART NO.	DESCRIPTION				REMARK	REP.NO.	PART NO.	DESCRIPTION				REMA
R237 R238 R239	1-216-025-00 1-216-065-00 1-216-065-00	METAL GLAZE	100 4.7K 4.7K	57 57 57 57	1/10W 1/10W 1/10W		R305 R306	1-216-049-00 1-216-089-00	MRTAL GLAZE	1K 47K	5% 5%	1/10W 1/10W 1/10W	
R240 R241 R242	1-216-033-00 1-216-073-00 1-216-051-00	METAL GLAZE METAL GLAZE METAL GLAZE	220 10X 1.2K		1/10W 1/10W 1/10W		R307 R308 R309 R310	1-216-033-00 1-216-089-00 1-216-089-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 47K 47K 220	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
R243 R244 R245 R246	1-216-113-00 1-216-065-00 1-216-679-11 1-216-103-00	METAL GLAZE METAL GLAZE METAL CHIP METAL GLAZE	470K 4.7K 15K 180K	5% 5% 0.50%	1/10W 1/10W 1/10W 1/10W		R311 R312 R313	1-216-089-00 1-216-089-00 1-216-033-00 1-216-089-00	METAL GLAZE METAL GLAZE METAL GLAZE	47K 47K 220 47K	5% 5% 5% 5%	1/10W 1/10W 1/10W	
R247 R248	1-216-093-00 1-216-095-00	METAL GLAZE METAL GLAZE	68K 82K		1/10W 1/10W		R314 R315	1-216-113-00	METAL GLAZE METAL GLAZE	470K		1/10W 1/10W 1/10W	
R249 R250 R251	1-216-109-00 1-216-101-00 1-216-105-00	METAL GLAZE METAL GLAZE METAL GLAZE	330K 150K 220K	5% 5% 5% 5%	1/10W 1/10W 1/10W		R316 R317 R318 R319	1-216-105-00 1-216-109-00 1-216-105-00 1-216-099-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220K 330K 220K 120K	5% 5% 5% 5%	1/10W 1/10W 1/10W	
R252 R253 R254 R255	1-216-101-00 1-216-101-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE	150K 150K 220 3.3K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R320 R321 R325	1-216-099-00 1-216-043-00 1-216-097-00	METAL GLAZE METAL GLAZE	120K 560 100K		1/10W 1/10W 1/10W	
R256 R258	1-216-061-00 1-216-107-00 1-216-041-00	METAL GLAZE METAL GLAZE	270K 470		1/10W 1/10W		R326 R328 R329	1-216-113-00 1-216-073-00 1-216-107-00	METAL GLAZE METAL GLAZE NETAL GLAZE	470K 10K 270K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
R259 R260 R261 R262	1-216-073-00 1-216-025-00 1-216-035-00 1-216-097-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 100 270 100K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R330 R331 R332	1-216-105-00 1-216-025-00 1-216-097-00	METAL GLAZE METAL GLAZE METAL GLAZE	220K 100 100K 100K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
R263 R264 R265	1-216-029-00 1-216-065-00 1-216-067-00	METAL GLAZE METAL GLAZE METAL GLAZE	150 4.7K 5.6K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R333 R334 R335 R336	1-216-097-00 1-216-025-00 1-216-099-00 1-216-095-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100K 120K 82K		1/10W 1/10W 1/10W	
R266 R267 R268	1-216-073-00 1-216-073-00 1-216-081-00	METAL GLAZE METAL GLAZE METAL GLAZE	10K 10K 22K		1/10W 1/10W		R338 R339 R340	1-216-095-00 1-216-099-00 1-216-095-00	METAL GLAZE METAL GLAZE METAL GLAZE	100 120K 82K	5% 5% 5% 5%	1/10W 1/10W 1/10W	
R269 R270 R271 R272	1-216-101-00 1-216-081-00 1-216-025-00 1-216-101-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	150K 22K 100 150K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R342 R343 R344 R345	1-216-047-00 1-216-053-00 1-216-664-11	METAL GLAZE METAL GLAZE METAL CHIP METAL CHIP	820 1.5K 3.6K 2.7K	5% 5% 0.50% 0.50%	1/10W 1/10W 1/10W 1/10W	
R273 R275 R276	1-216-113-00 1-216-081-00 1-216-037-00	METAL GLAZE METAL GLAZE METAL GLAZE	470K 22K 330	5% 5% 5% 5%	1/10W 1/10W 1/10W		R346	1-216-661-11 1-216-105-00 1-216-061-00	METAL GLAZE	220K	5% 5%	1/10W	
R277 R278 R279	1-216-049-00 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE	1K 2.2K 330		1/10W 1/10W 1/10W		R349 R350 R351 R352	1-216-650-11 1-216-653-11 1-216-650-11 1-216-653-11	METAL CHIP METAL CHIP METAL CHIP METAL CHIP	910- 1.2K 910 1.2K	0.50% 0.50% 0.50% 0.50%	1/10W 1/10W 1/10W 1/10W	
R280 R281 R282 R283	1-216-037-00 1-216-061-00 1-216-061-00 1-216-037-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	3.3K 3.3K 330 1K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R353 R354 R355	1-216-650-11 1-216-653-11 1-216-113-00	METAL CHIP METAL CHIP METAL GLAZE METAL GLAZE	910 1.2K 470K	0.50% 0.50% 5% 5%		
R284 R285	1-216-057-00 1-216-037-00	METAL GLAZE METAL GLAZE	2.2K		1/10W 1/10W		R356 R357	1-216-113-00 1-216-095-00	METAL GLAZE	470K 82K 470K		1/10W 1/10W	
R286 R287 R288	1-216-061-00 1-216-061-00 1-216-037-00	METAL GLAZE METAL GLAZE METAL GLAZE	3.3K 3.3K 330	5% 5% 5% 5%	1/10W 1/10W 1/10W		R358 R359 R360 R363	1-216-113-00 1-216-081-00 1-216-089-00 1-216-069-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	22K 47K 6.8K	5% 5% 5%	1/10W 1/10W 1/10W	
R289 R290 R291 R292	1-216-049-00 1-216-057-00 1-216-037-00 1-216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 2, 2K 330 3, 3K 3, 3K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R364 R365 R366	1-216-073-00 1-216-073-00 1-216-244-00	METAL GLAZE METAL GLAZE METAL GLAZE	10K 10K 82K		1/10W 1/10W 1/8W 1/8W	
R293 R295 R296	1-216-061-00 1-216-057-00 1-216-659-11	METAL GLAZE METAL GLAZE METAL CHIP		67	1/10W		R367 R368 R369	1-216-244-00 1-216-244-00 1-216-055-00 1-216-248-00	METAL GLAZE METAL GLAZE METAL GLAZE	82K 1.8K 120K	5% 5% 5% 5%	1/10W 1/8W	
R297 R298 R300	1-216-659-11 1-216-659-00 1-216-065-00	METAL CHIP METAL GLAZE METAL GLAZE	2.2K 2.2K 2.2K 4.7K 4.7K	0.50% 5%	1/10W 1/10W 1/10W 1/10W		R370 R371 R372 R374	1-216-115-00 1-216-067-00 1-216-115-00 1-216-115-00	METAL GLAZE HETAL GLAZE HETAL GLAZE HETAL GLAZE	560K 5.6K 560K 560K	5% 5%	1/10W 1/10W 1/10W 1/10W	
R301 R302 R303	1-216-065-00 1-216-113-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 470K 4.7K	5% 5% 5%	1/10W 1/10W 1/10W		R375 R376 R378	1-216-683-11 1-216-663-11 1-216-025-00	METAL CHIP METAL CHIP METAL GLAZE	3.3K 100	0.50%	1/10W	
R304	1-216-049-00	METAL GLAZE	1K	24	1/10W		1 1218	1-410-040-00	HEINE BEAZE	100	16	1/104	

REF.NO.	PART NO.	DESCRIPTION				REMARK		PART NO.	DESCRIPTION				REMARK
R379 R380 R381 R382 R383	1-216-641-11 1-216-668-11 1-216-089-00 1-216-025-00 1-216-641-11	METAL CHIP METAL CHIP METAL GLAZE METAL GLAZE METAL CHIP	390 5.1K 47K 100 390	0.50% 0.50% 5% 5% 0.50%	1/10W 1/10W 1/10W 1/10W 1/10W		R1051 R1058 R1059 R1060 R1061	1-216-105-00 1-216-109-00 1-216-109-00 1-216-109-00 1-216-109-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220K 330K 330K 330K 330K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R384 R385 R386 R387 R388	1-216-668-11 1-216-117-00 1-216-025-00 1-216-641-11 1-216-668-11	METAL CHIP METAL GLAZE METAL CHIP METAL CHIP	5.1K 680K 100 390 5.1K	0.50% 5% 5% 0.50% 0.50%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W		R1062 R1063 R1064 R1065 R1066	1-216-103-00 1-216-103-00 1-216-103-00 1-216-103-00 1-216-073-00	METAL GLAZE HETAL GLAZE HETAL GLAZE HETAL GLAZE HETAL GLAZE HETAL GLAZE HETAL GLAZE	180K 180K 180K 180K 180K	5% 5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R390 R391 R392 R393 R394	1-216-105-00 1-216-081-00 1-216-113-00 1-216-085-00 1-216-121-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220K 22K 470K 33K 1H	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R1067 R1068 R1069 R1070 R1071	1-216-073-00 1-216-073-00 1-216-049-00 1-216-133-00 1-216-085-00 1-216-113-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 1K 3.3M 33K 470K	57 57 57 57 57 57	1/10W 1/10W 1/10W 1/10W	
R397 R398 R399 R1001 R1002	1-249-437-11 1-249-434-11 1-216-073-00 1-216-047-00	CARBON CARBON METAL GLAZE METAL GLAZE METAL GLAZE	47K 27K 10K 10K 820	5% 5% 5% 5%	1/4W 1/10W 1/10W 1/10W	F	R1072 R1073 R1075 R1076 R1077	1-216-099-00 1-216-131-11 1-216-065-00 1-216-101-00 1-216-103-00 1-216-085-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	120K 2.7M 4.7K 150K 180K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R1003 R1004 R1005 R1006 R1007	1-216-055-00 1-216-061-00 1-216-047-00 1-216-055-00 1-216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1.8K 3.3K 820 1.8K 3.3K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R1078 R1079 R1080 R1081 R1083	1-216-085-00 1-216-073-00 1-216-097-00 1-216-065-00 1-216-063-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 100K 100K 100K 4.7K 3.9K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	
R1008 R1009 R1010 R1011 R1012	1-216-047-00 1-216-055-00 1-216-061-00 1-216-033-00 1-216-051-00 1-216-051-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	820 1.8K 3.3K 220 1.2K	5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W		R1084 R1088 R1090 R1091 R1092 R1093	1-216-047-00 1-216-045-00 1-216-045-00 1-216-045-00 1-216-121-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	820 680 680 680 18	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R1014 R1015 R1016 R1017	1-216-246-00 1-216-033-00 1-216-089-00 1-216-045-00 1-216-043-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100K 220 47K 680	5% 5% 5% 5% 5%	1/8W 1/10W 1/10W 1/10W 1/10W		R1094 R1095 R1096 R1200 R1201	1-216-075-00 1-216-075-00 1-216-075-00 1-216-699-11 1-218-754-11	METAL GLAZE METAL-GLAZE METAL GLAZE METAL CHIP METAL CHIP	12K 12K 12K 12K 100K 120K	5% 5% 5% 0.50%	1/10W 1/10W	
R1019 R1020 R1021 R1022 R1023	1-216-033-00 1-216-089-00 1-216-045-00 1-216-025-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 47K 680 100	52 52 52 52 52	1/10W 1/10W 1/10W 1/10W 1/10W		R1207 R1208 R1220 R1221 R1222	1-216-061-00 1-216-065-00 1-216-059-00 1-216-059-00 1-216-059-00	HETAL GLAZE HETAL GLAZE HETAL GLAZE HETAL GLAZE HETAL GLAZE	3.3K 4.7K 2.7K 2.7K 2.7K 2.7K	57 57 57 57 57 57	1/10W 1/10W 1/10W 1/10W 1/10W	
R1024 R1025 R1026 R1027	1-216-025-00 1-216-033-00 1-216-061-00 1-216-101-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100 220 3.3K 150K	52 52 52 52 52	1/10W 1/10W 1/10W 1/10W 1/10W		R1223 R1225 R1226 R1227 R1228	1-216-689-11 1-215-876-00 1-215-876-00 1-215-876-00 1-249-421-11	METAL GLAZE METAL DXIDE METAL DXIDE METAL DXIDE CARBON	39K 15K 15K 15K 2. 2K	5% 5% 5% 5%	1/10W 1W 1W 1W	F F F
R1029 R1031 R1032 R1033 R1034	1-216-061-00 1-216-033-00 1-216-061-00 1-216-081-00 1-216-089-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	3.3K 220 3.3K 22K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R1229 R1230 R1231 R1232 R1233	1-249-421-11 1-249-421-11 1-216-031-00 1-216-031-00 1-216-031-00	CARBON CARBON METAL GLAZE METAL GLAZE METAL GLAZE	2.2K 2.2K 180 180 180	5% 5% 5% 5%		F
R1035 R1036 R1038 R1040	1-216-073-00 1-216-089-00 1-216-081-00 1-216-025-00 1-216-047-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 47K 22K 100	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R1234 B1235 R1236 R1237 R1238	1-216-031-00 1-216-031-00 1-216-031-00 1-216-031-11 1-249-419-11	METAL GLAZE METAL GLAZE HETAL GLAZE CARBON CARBON	180 180 180 1.5K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W	F F
R1043 R1044 R1045 R1046	1-216-057-00 1-216-061-00 1-216-125-00 1-216-689-11 1-216-065-00	HETAL GLAZE HETAL GLAZE METAL GLAZE HETAL CHIP METAL GLAZE	2.2K 3.3K 1.5M 39K		1/10W 1/10W 1/10W 1/10W 1/10W		R1239 R1270 R1280	1-249-419-11 1-216-079-00 1-216-109-00 1-216-071-00 1-216-081-00	CARBON METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1.5K 18K 330K 8.2K 22K	5% 5% 5% 5%	1/4W 1/10W 1/10W 1/10W 1/10W	F
R1048 R1049	1-216-049-00 1-216-085-00 1-216-059-00	METAL GLAZE	4.7K 1K 33K 2.7K	5% 5% 5%	1/10% 1/10% 1/10%		B1294	1-216-069-00 1-216-109-00	METAL GLAZE	6.8K 330K	5% 5%	1/10W 1/10W	

The components identified by shading and mark & are critical for safety. Replace only with part number specified.

Les composants identifies par une trame et une marque Å sont critiques pour la securite. No les remplacer que par une piace potatant le numero specifie,



REF. NO. PART NO.	DESCRIPTION			[REF.NO. PART NO.	DESCRIPTION	REMARK
R1296 1-216-095-00 R1297 1-216-077-00 R1298 1-216-077-00 R1299 1-216-075-00 R1300 1-216-089-00	METAL GLAZE 821 METAL GLAZE 151 METAL GLAZE 157 METAL GLAZE 121 METAL GLAZE 471	K 5% 1/10 K 5% 1/10 K 5% 1/10		RV105 1-238-012-11 RV106 1-238-012-11 RV107 1-238-012-11 RV108 1-238-016-11	RES, ADJ, CARBON 1K	*
R1301 1-216-065-00 R1302 1-216-113-00 R1303 1-216-113-00 R1304 1-216-093-00 R1305 1-216-686-11	METAL GLAZE 4.7 HETAL GLAZE 470 METAL GLAZE 470 HETAL GLAZE 681 METAL CHIP 301	OK 5% 1/10 OK 5% 1/10 K 5% 1/10	U U	RV109 1-241-765-21 RV110 1-238-016-11 RV111 1-238-019-11 RV112 1-238-019-11 RV113 1-238-019-11 RV114 1-238-019-11	RES, ADJ, CARBON 10K RES, ADJ, CERMET 22K RES, ADJ, CARBON 10K RES, ADJ, CARBON 10K RES, ADJ, CARBON 47K RES, ADJ, CARBON 47K RES, ADJ, CARBON 47K RES, ADJ, CARBON 22K RES, ADJ, CARBON 22K	
R1306 1-216-063-00 R1307 1-216-041-00 R1308 1-216-041-00 R1309 1-216-063-00 R1310 1-216-119-00	METAL GLAZE 3.9 METAL GLAZE 470 METAL GLAZE 470 METAL GLAZE 3.9 METAL GLAZE 820	0 5% 1/10 0 5% 1/10 9% 5% 1/10	e 0	RV115 1-238-017-11 RV116 1-238-017-11 RV118 1-238-017-11 RV119 1-238-017-11 RV120 1-238-017-11 RV120 1-238-017-11	RES. ADJ, CARBON 22K RES. ADJ, CARBON 22K	
R1313 1-216-101-00 R1314 1-216-053-00 R1315 1-216-077-00 R1320 1-216-083-00 R1321 1-216-093-00	METAL GLAZE 150 METAL GLAZE 150 METAL GLAZE 270 METAL GLAZE 680	5K 5% 1/10 C 5% 1/10 C 5% 1/10 C 5% 1/10	9 9 9	RV122 1-238-017-11 RV123 1-238-013-11 RV124 1-238-012-11	RES, ADJ, CARBON 22K RES, ADJ, CARBON 22K RES, ADJ, CARBON 2.2K RES, ADJ, CARBON 1K RES, ADJ, CARBON 1K RES, ADJ, CARBON 22K	- Yo
R1322 1-216-037-00 R1323 1-216-057-00 R1324 1-216-121-00 R1325 1-216-085-00 R1326 1-216-065-00	METAL GLAZE 330 METAL GLAZE 2.2 METAL GLAZE 1M METAL GLAZE 330 METAL GLAZE 4.7	2K 5% 1/10 5% 1/10 K 5% 1/10 7K 5% 1/10	6 6 9	RV125 1-238-012-11 RV205 1-238-017-11 <mcii SEP101 1-808-654-11</mcii 	OULE>	
R1327 1-216-099-00 R1328 1-216-099-00 R1329 1-216-093-00 R1330 1-216-063-00 R1331 1-216-051-00	METAL GLAZE 120 METAL GLAZE 120 METAL GLAZE 680 METAL GLAZE 3.5 METAL GLAZE 1.2	OK 5% 1/10 (5% 1/10 OK 5% 1/10 OK 5% 1/10	0 0 0	<cry< td=""><td>STAL> OSCILLATOR, CRYSTAL VIBRATOR, CRYSTAL</td><td></td></cry<>	STAL> OSCILLATOR, CRYSTAL VIBRATOR, CRYSTAL	
R1332 1-216-057-00 R1333 1-216-057-00 R1334 1-216-055-00 R1335 1-216-035-00 R1336 1-216-089-00	METAL GLAZE 2.2 METAL GLAZE 2.2 METAL GLAZE 1.8 METAL GLAZE 270 METAL GLAZE 478	9K 5% - 1/10 0 5% 1/10 6 5% 1/10	e e e		P BOARD, COMPLETE	
R1337 1-216-113-00 R1338 1-216-049-00 R1339 1-216-097-00 R1340 1-216-097-00 R1341 1-216-111-00	METAL GLAZE 470 METAL GLAZE 100 METAL GLAZE 100 METAL GLAZE 390	5% 1/10 OK 5% 1/10 OK 5% 1/10	e u	*4-363-404-00 4-382-854-01 4-879-937-00	HOLDER, IC SCREW (M3X8), P, SW (+) SHEET, MICA	
R1342 1-216-694-11 R1343 1-216-121-00 R1344 1-216-073-00 R1345 1-216-055-00 R1346 1-216-047-00	METAL CHIP 628 METAL GLAZE 1H METAL GLAZE 108 METAL GLAZE 1.8 METAL GLAZE 820	5% - 1/10 5% - 1/10 8% 5% - 1/10	9	C801 1-126-104-11 C802 1-162-318-11 C803 1-102-228-00 C804 1-123-935-00 C805 1-101-004-00		20% 35V 10% 500V 10% 500V 20% 160V
R1347 1-216-073-00 R1348 1-216-073-00 R1349 1-216-073-00 R1350 1-216-073-00 R1351 1-216-073-00	METAL GLAZE 10R	5% 1/10 5% 1/10 5% 1/10	9	C806 1-124-480-11 C807 1-102-228-00 C808 1-106-367-00 C809 1-106-375-12 C810 1-162-318-11	ELECT 470HF CERAMIC 470PF MYLAR 0.01HF MYLAR 0.022MF CERAMIC 0.001HF	20% 25V 10% 500V 10% 100V 10% 100V 10% 500V
R1352 1-216-073-00 R1353 1-216-115-00 R1371 1-216-057-00 R1372 1-216-057-00 R1373 1-216-057-00	METAL GLAZE 108 METAL GLAZE 560 METAL GLAZE 2.2 METAL GLAZE 2.2 METAL GLAZE 2.2	OK 5% 1/10 PK 5% 1/10 PK 5% 1/10 PK 5% 1/10	W W		FILM 0.01HF FILM 0.017MR MYLAR 0.056MF MYLAR 0.047MF ELECT 22MF	
R1392 1-216-089-00 R1393 1-216-109-00	METAL GLAZE 47K METAL GLAZE 330 RIABLE RESISTOR>	5% 1/10 0% 5% 1/10		C816 1-124-798-11 C817 1-130-800-00 C818 1-102-228-00 C819 1-162-116-00	ELECT 1MF FILM 2.2MF CERANIC 470PF CERANIC 680PF	20% 160V 10% 250V 10% 500V
RV101 1-241-763-11 RV102 1-241-763-11 RV103 1-238-009-11	RES, ADJ, CERMET RES, ADJ, CERMET	4.7K 220		C820 1-162-116-00	CERAMIC 680PF	10% 2kV 10% 2kV

2VM-60410M







<WARIABLE RESISTOR>

BV801 1-223-102-00 RES, ADJ, WIREWOUND 120

<TRANSFORMER>

T801 1-437-082-31 HDT

clas composants identifies par une traine et une marque À anot critiques pour le securite. Ne les templacer que par une place pour le securite. Ne les templacer que par une place pourant le numero specific. REF. NO: PART NO. DESCRIPTION REMARK | REF. NO. PART NO. DESCRIPTION REMARK T802 A. (-439-526-11 TRANSFORMER ASSY; FLYBACK <CONNECTOR> CN801 *1-564-595-11 PLUG, CONNECTOR 14P CN802 *1-508-766-00 PLNG, CONNECTOR (5MM PITCH) 4P CN803 *1-564-508-11 PLUG, CONNECTOR (2-5MM) 3P PLUG, CONNECTOR (2-5MM) 3P *1-644-021-11 FC BOARD EY3, EY4 EY1, EY2, EY3, EY4 *4-341-751-01 EYELET <DIODE> *4-341-752-01 EYELET 8-719-300-33 DIODE RD-3AM 8-719-300-33 DIODE RU-3AM 8-719-300-33 DIODE RU-3AM 8-719-979-85 DIODE EGE20G 8-719-300-33 DIODE RU-3AM D801 D802 < CONNECTOR> D804 CN601 *1-580-689-11 PIN, CONNECTOR (PC BDARD) 4P CN602 *1-508-765-00 PIN, CONNECTOR (5MM PITCH) 3P CN603 *1-564-507-11 PLUG, CONNECTOR 4P 0806 0.807 D808 < FIISE> P601 A 1-576-230-11 FUSE (H.B. C.) 13-45A-250V1 8-719-911-55 DIODE 005G ' <RESISTOR> <C01L> 1-202-721-00 SOLID 1.5M 20% 1/2W L807 1-414-099-11 INDUCTUR, MICRO *A-1275-104-A QB BOARD, COMPLETE ************ <NEON LAMP> 1-537-434-11 TERMINAL BOARD, INPUT/OUTPUT #4-341-752-01 EYELET EY8,EY9 NL801 1-519-108-XX LAMP, NEON <TRANSISTOR> <CAPACITOR> 8-729-195-82 TRANSISTOR 2SC2958-L 8-729-201-62 TRANSISTOR 2SC2555-2 8-729-906-24 TRANSISTOR 2SD835 C401 C402 C405 ELECT 22MF 0.01MF 22MF 22MF 20% 16V 50V 1-124-234-00 1-163-031-11 1-124-234-00 1-124-234-00 1-124-234-00 CERAMIC CHIP Q802 ELECT 161 C409 C410 FIRCT 22MF <RESISTOR> C411 C412 C414 C415 C418 I-124-234-00 I-124-234-00 I-126-157-11 I-126-157-11 I-126-157-11 ELECT 22MF 20% 20% 167 1-249-383-11 1-249-377-11 1-216-049-00 1-249-419-11 1-215-892-11 R801 R802 1.5 ELBC1 22MF 164 ELECT 207 207 207 16¥ 16¥ CARBON 1/4% 10MR 1/10W R803 METAL GLAZE ĭŔ INME `5K CARBON METAL DXIDE ELECT TONE 164 C419 C420 1-126-157-11 1-126-157-11 FUECT 10MF 202 202 102 202 202 R807 1-216-425-11 1-202-846-00 METAL OXIDE TONF 16V 50V 50V 5% 5% 5% 5% 470X 47K C421 C422 1-102-125-00 1-124-464-11 0.0047MF 0.22MF 10MF R808 SOLID METAL GLAZE CERAMIC 1-216-089-00 1-249-421-11 1-216-049-00 ELECT R809 CARBON 1/44 F 1-126-157-11 FLECT 161 METAL GLAZE 1/104 C424 C425 C426 C427 C428 20% 10% 16V 100V 10KF 1-126-157-11 ELEC1 1-128-157-11 1-108-634-11 1-128-499-11 1-128-499-11 0.047MF CARRON MYLAR 1/4% 1/49 ELECT 220MP 202 16V CARRON 1-128-499-11 ELECT 161 C429 C430 C438 C439 16V 50V ELECT 22HF 20%

C440

1-124-234-00

1-163-033-00

1-163-033-00

CERANIC CHIP 0.022MF ELECT

CERANIC CHIP 0.022MF

CERANIC CHIP G. 022MF

1-124-234-00 ELECT 22MF 1-163-033-00 CERAMIC CHIP 0.002MF

22HF

20% 16V 50V

20%

501

169

50Y



RBF.NO.	PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
C443 C444 C445 C447 C448	1-163-033-00 1-163-033-00 1-163-031-11 1-163-031-11 1-124-234-00	CERAMIC CHIP 0.022M CERAMIC CHIP 0.022M CERAMIC CHIP 0.01HF CERAMIC CHIP 0.01HF BLECT 22MF	20%	50V 50V 50V 50V 16V	Q405 Q406 Q407 Q409 Q410	8-729-901-01 8-729-920-74 8-729-920-74 8-729-920-74 8-729-920-74					ig.
C450 C451 C452	1-124-234-00 1-124-234-00 1-163-033-00 1-128-499-11 1-128-499-11	BLECT 22MF BLECT 22MF CERAMIC CHIP 0.022MI BLECT 220MF BLECT 220MF	20% 20%	16V 16V 50V 16V 16V	Q414 Q416 Q417 Q418	8-729-216-22 8-729-216-22 8-729-145-18 8-729-901-06 8-729-920-74	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR D TRANSISTOR D	SA1162- SC3736 TA144EK SC2412K	G -OR		
C455 C456 C458	1-126-301-11 1-126-301-11 1-126-301-11 1-163-031-11 1-163-038-00	BLBCT 1MF BLECT 1MF BLECT 1MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.1MF	20% 20% 20%	50V 50V 50V 50V 25V	Q419 Q420 Q425	8-729-901-06 8-729-901-06 8-729-901-01	TRANSISTOR D TRANSISTOR D TRANSISTOR D	TA144EK TA144EK TC144EK			
C460	1-163-038-00	CERAMIC CHIP O. IMF		25V			1STOR>				1.
CN401 ±		NECTOR>			JR401 JR402 JR403 JR404	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE. METAL GLAZE	0	5% 5% 5% 5%	1/8W 1/8W 1/8W 1/8W	
CN402 * CN403 * CN404 *	1-564-518-11 1-580:690-11 1-564-519-11	PIN, CONNECTOR 13P PLUG, CONNECTOR 3P PIN, CONNECTOR (PC PLUG, CONNECTOR 4P	BOARD) 4P		JR407	1-216-296-00	METAL GLAZE	0		1/8W	est i
	<d10< td=""><td>DE></td><td></td><td></td><td>JR409 JR410</td><td>1-216-296-00 1-216-296-00 1-216-296-00</td><td>METAL GLAZE</td><td>0</td><td>5%</td><td>1/8W</td><td></td></d10<>	DE>			JR409 JR410	1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE	0	5%	1/8W	
D403 D404 D405 D408 D409	8-719-110-09 8-719-404-46 8-719-404-46 8-719-404-46 8-719-404-46	DIODE RD8.2ESB3 DIODE MAI10 DIODE MAI10 DIODE MAI10 DIODE MAI10			JR411 JR412 JR413 JR414 JR415 JR416	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	HETAL GLAZE HETAL GLAZE HETAL GLAZE	0 .	5% 5% 5% 5%	1/8₩ 1/8₩ 1/8₩ 1/8₩ 1/8₩	
D410 D411 D412 D413	8-719-404-46 8-719-404-46 8-719-404-46 8-719-404-46 8-719-404-46	D10DE MA110 D10DE MA110 D10DE MA110 D10DE MA110			JR417 JR418 JR419 JR422 JR424	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 0 0 0 0 0 0 0	5% 5% 5% 5% 5%		
D416 D417 D418	8-719-404-46 8-719-404-46 8-719-404-46 8-719-404-46 8-719-404-46	DIODE MAILO DIODE MAILO DIODE MAILO DIODE MAILO DIODE MAILO		•	JR425 JR426 JR427 JR428 JR430	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 0 0 0 0	5% 5% 5% 5%		
D421 D422 D423	8-719-404-46 8-719-404-46 8-719-404-46 8-719-404-46 8-719-404-46	DIODE MALIO DIODE MALIO DIODE MALIO			JR431 JR432 JR434	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 0 0	5% 5% 5% 5% 5%	1/8W 1/8W 1/8W 1/8W	
	8-719-404-46 <1C>				JR438 JR439 JR440 JR441	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-214-702-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0	5% 5% 5% 1%	1/89 1/89 1/89 1/89	· -
I C402 I C403	8-759-501-21 · 8-759-420-04	IC MM1149XF IC AN5265			R401		HETAL	75		1/4W	
L401	<001 1-410-682-31	L> INDUCTOR 470UI INDUCTOR 470UI			R402 R403 R404 R405 R416	1-216-049-00 1-216-091-00 1-216-093-00 1-216-061-00 1-216-029-00	METAL GLAZE METAL GLAZE HETAL GLAZE METAL GLAZE METAL GLAZE	1 K 56 K 68 K 3.3 K 150	5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
	. <tra< td=""><td>NS1STOR></td><td></td><td></td><td>R418 R419 R420 R421 R422</td><td>1-216-089-00 1-216-089-00 1-216-089-00 1-216-097-00 1-216-089-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE</td><td>47K 47K 47K 100K 47K</td><td>5% 5% 5%</td><td>1/10W 1/10W 1/10W 1/10W 1/10W</td><td></td></tra<>	NS1STOR>			R418 R419 R420 R421 R422	1-216-089-00 1-216-089-00 1-216-089-00 1-216-097-00 1-216-089-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	47K 47K 47K 100K 47K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
U403	8-729-901-06	TRANSISTOR 25A1162- TRANSISTOR DTA144EK TRANSISTOR DTA144EK TRANSISTOR DTA144EK			R429 8430	1-214-702-00 1-216-049-00	HETAL	75 - 1K	12 52	1/49 1/10W	
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REF.NO. PART NO.	DESCRIPTION				REMARK		PART NO.	DESCRIPTION			REMARK
	METAL GLAZE	68K 56K 3.3K 120 75	5% 5% 5% 1%	1/10W 1/10W 1/10W 1/10W 1/10W		C701	1-526-958-11 <cap 1-162-114-00</cap 	ACITOR>	0.0047MF	107	2K¥
R436 1-216-049-00 R437 1-216-093-00 R438 1-216-091-00 R439 1-216-061-00 R440 1-216-027-00	METAL GLAZE METAL GLAZE METAL GLAZE	1 K 68 K 56 K 3.3 K 120	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C702 C703 C704	1-161-830-00 1-124-798-11 1-102-123-00	CERAMIC ELECT	0.0047MF 1MF 0.0033MF	10% 99% 20% 10%	500V 160V 50V
R444 1-214-702-00 R445 1-216-049-00 R446 1-216-093-00 R447 1-216-091-00 R448 1-216-061-00	METAL GLAZE .	75 1K 68K 56K 3.3K	1% 5% 5% 5%	1/4W 1/10W 1/10W 1/10W 1/10W		CN701 CN702 CN703	*1-564-509-11 *1-508-784-00 *1-564-508-11		TOR 6P OR (5MM PITC TOR 5P	H) 1P	
R449 1-216-027-00 R450 1-214-702-00 R451 1-216-049-00 R452 1-216-093-00 R453 1-216-091-00	METAL GLAZE METAL GLAZE METAL GLAZE	120 75 1K 68K 56K	57 17 57 57 57	1/10W 1/4W 1/10W 1/10W 1/10W		D701	<d10 8-719-300-33 <coi< td=""><td>DIDDE RU-3AM</td><td>*</td><td></td><td></td></coi<></d10 	DIDDE RU-3AM	*		
R454 1-216-061-00 R455 1-216-037-00 R456 1-216-089-00 R457 1-216-113-00 R458 1-216-089-00	METAL GLAZE METAL GLAZE	3,3K 330 47K 470K 47K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		L701	1-410-668-11		2708		
R459 1-216-089-00 R460 1-216-089-00 R461 1-216-097-00 R462 1-216-115-00 R463 1-216-105-00	METAL GLAZE METAL GLAZE METAL GLAZE	47K 47K 100K 560K 220K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R701 R702 R703 R704 R705	1-202-822-00 1-202-822-00 1-202-822-00 1-202-835-00 1-202-838-00	SOLID SOLID SOLID	2.2K 20% 2.2K 20% 2.2K 20% 39K 20% 100K 20%	1/2W 1/2W 1/2W 1/2W 1/2W	
R464 1-216-077-00 R465 1-216-025-00 R466 1-216-089-00 R467 1-216-073-00 R471 1-216-097-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	15K 190 47K 10K 100K	57 57 57 57 57	1/10W 1/10W 1/10W 1/10W 1/10W			1-202-731-00 1-202-842-11	SOL1D		1/2W 1/2W ******	**********
R472 1-216-115-00 R473 1-216-105-00 R474 1-216-077-00 R475 1-216-025-00 R477 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE	560K 220K 15K 100 10K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W			*A-1341-562-A *3-738-015-01 4-382-854-01	**********	****	R	
R478 1-216-057-00	METAL GLAZE	2.2K	5%	1/10W			<cap< th=""><th>ACITOR></th><th></th><th></th><th></th></cap<>	ACITOR>			
R479 1-216-085-00 R480 1-247-711-11 R481 1-216-063-00 R482 1-249-455-11	METAL GLAZE CARBON		57 57 57 57 57	1/10W 1/4W 1/10W 1/4W		C501 C502 C503 C504	1-124-477-11 1-124-907-11 1-126-103-11 1-124-902-00	ELECT	47HF 10HF 470MF 0.47HF	20% 20% 20% 20%	167 507 167 507
R483 1-249-389-11 R484 1-216-041-00 B485 1-247-688-11 R486 1-249-468-11 R487 1-249-468-11	CARBON CARBON CARBON	4.7 470 10 82K 82K	5% 5% 5% 5%	1/4W F 1/10W 1/4W F 1/4W 1/4W		C505 C506 C507 C508 C509 C510	1-106-381-12 1-124-903-11 1-106-367-00 1-124-903-11 1-136-173-00 1-136-161-00	ELECT MYLAR ELECT FILM	0.039NF 1KF 0.01HF 1HF 0.47HF 0.047MF	10% 20% 10% 20% 5% 5%	100V 50V 100V 50V 50V 50V
	BIABLE RESISTO					C511 C512	1-124-903-11 1-106-375-12	ELECT	1KF	201	50¥
RV401 1-230-481-11	RES, VAR, CAI ITCH>	-				C512 C513 C514 C515	1-106-375-12 1-106-375-12 1-106-371-00 1-124-925-11	MYLAR MYLAR MYLAR ELECT	0.022MF 0.022MF 0.015MF 2.2MF	20% 10% 10% 10% 20%	100V 100V 100V 50Y
*************			****	******	******	C516 C517 C518 C519 C520	1-124-925-11 1-130-480-00 1-163-245-11 1-124-927-11 1-163-129-00	ELECT FILM CERAMIC CHIP ELECT CERAMIC CHIP	4.7MF	20% 5% 5% 20% 5%	50Y 50Y 50Y 50Y 50Y
*1-644-019-11	CB BOARD					C521 C523	1-124-907-11 1-106-363-00	ELECT MYLAR	10MF 0.0068MF	20% 10%	50V 100V



REF.NO. PART NO.	DESCRIPTION		REMARK	REF. NO	PART NO.	DESCRIPTION			REMAR	
C524 1-102-116-00 C525 1-102-820-00 C526 1-102-973-00	CERAMIC 680PF CERAMIC 330PF	10% 5% 5%	50 V 50 V		1-126-163-11		4.7MF	20%	50V	
C526 1-102-973-00 C527 1-124-514-11 C528 1-102-125-00	CERAMIC 100PF ELECT 100MF CERAMIC 0.0047MF	20% 10%	50Y 50Y 50Y	C1611 C1612 C1613	1-124-482-11 1-136-257-00 1-163-009-11	PILM CERAMIC CHIP (CERAMIC CHIP (33MF 0.0039MF 0.001MF	20% 5% 10% 10%	35V 50V 50V	
C529 1-124-513-11 C530 1-163-097-00	ELECT 47MF CERAMIC CHIP 15PF	20% 5%	50Y 50Y	C1614 C1615	1-164-232-11 1-124-042-51	ELECT (0.47HF	20%	50V 50V	
C531 1-131-370-00 C532 1-124-557-11 C533 1-124-927-11	TANTALUN 6.8MF ELECT 1000MF ELECT 4.7MF	10% 20% 20%	16V 25V 50V	C1620 C1621 C1641	1-163-133-00 1-163-117-00 1-163-035-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP C	470PF 100PF 0.047MF	5% 5%	50V 50V 50V	
C534 1-124-768-11 C535 1-136-161-00 C536 1-124-927-11	ELECT 4.7MF FILM 0.047MF	20%	50V 50V 50V		<con< td=""><td>NECTOR></td><td></td><td></td><td></td><td></td></con<>	NECTOR>				
C536 I-124-927-11 C537 I-124-510-11 C538 I-124-910-11	ELECT 4.7MF ELECT 220MF ELECT 47MF	207 207 207 207	35Y 50Y	: CN502	*1-564-506-11 1-506-477-11	PLUG, CONNECTO PIN, CONNECTO PLUG, CONNECTO	OR 3P R 12P			
C539 1-136-828-11 C540 1-163-017-00	PILM 1.8MP CERAMIC CHIP 0.0047MF CERAMIC CHIP 0.047MF	5% 10%	200V 50V	CN505	*1-564-507-11 *1-564-509-11 *1-564-507-11	PLUG, CONNECTO PLUG, CONNECTO PLUG, CONNECTO	un or			
C540 1-163-017-00 C541 1-163-035-00 C542 1-126-103-11 C545 1-126-101-11	CERAMIC CHIP 0.047MF ELECT 470MF ELECT 100MF	20% 20%	50V 16V 16V	CN508 CN509	*1-564-104-00 *1-564-506-11	PIN, CONNECTOR PLUG, CONNECTOR	R (B3P-VH) DR 3P	3P -		
C546 1-124-907-11 C547 1-124-907-11 C548 1-124-907-11	ELECT 10MF	20% 20% 20%	50V 50V		<010	DE>				
C548 1-124-907-11 C549 1-124-907-11 C550 1-124-907-11	ELECT 10MF ELECT 10MF	207	50V 50V 50V	D501 D502	8-719-404-46 8-719-404-46	DIODE MAILO DIODE MAILO DIODE MAILO				
C551 1-124-927-11 C552 1-101-004-00	ELECT 4.7MF CERAMIC 0.01MF	20%	50V 50V	0503 0504 0505	8-719-404-46 8-719-404-46 8-719-404-46	DIODE HAILO DIODE MAILO				
C553 1-126-103-11 C563 1-106-383-00 C564 1-163-009-11	ELECT 470MF MYLAR 0.047MF CERAMIC CHIP 0.001MF	20% 10% 10%	16V 100V 50V	D506 D507 D508	8-719-911-55 8-719-404-46 8-719-404-46	DIODE WALLO DIODE MALLO DIODE MALLO				
C567 1-123-875-11 C568 1-130-736-11 C569 1-130-471-00	ELECT 10MF FILM 0.01MF FILM 0.001MF	20% 5% 5%	50V 50V 50V	D509 D510	8-719-404-46 8-719-404-46	DIODE MAILO DIODE MAILO				
C570 1-163-117-00 C571 1-124-913-11	CERANIC CRIP 100PF ELECT 470MF	5% 20%	50V 50V	D511 D512	8-719-404-46 8-719-404-46 8-719-404-46	DIODE MAILO DIODE MAILO DIODE MAILO				
C572 1-101-004-00 C574 1-106-351-00	CERANIC 0.01MF MYLAR 0.0022MF	10%	50¥ 100¥	D514 D579 D831	8-719-800-81 8-719-404-46	DIODE 1SS226 DIODE MA110				
C575 1-106-351-00 C831 1-123-875-11 C832 1-123-875-11	HYLAR 0.0022MF ELECT 10MF BLECT 10MF	10% 10% 20% 20%	100V 50V 50V	D832 D833	8-719-404-46 8-719-404-46	DIODE MAILO DIODE MAILO				
C833 1~163~009~11 C834 1~163~121~00	CERAMIC CHIP 0.001MF CERAMIC CHIP 150PF	10% 5% 5%	50V 50V	D834 D835 D836	8-719-404-46 8-719-109-89 8-719-977-69	DIODE NATIO DIODE RD5.6ESI DIODE D7Z24B	B2			
C835 1-163-209-00 C836 1-123-875-11 C837 1-163-209-00	CERAMIC CHIP 0.0015MF ELECT 10MF CERAMIC CHIP 0.0015MF	5% 20% 5%	50V 50V 50V	D837 D838	8-719-404-46 8-719-404-46	DIODE NATIO				-
C838 1-136-163-00 C839 1-102-122-00	FILM 0:068MF	5% 10%	50V 50V	D1601 D1602 D1603	8-719-105-XX 8-719-404-46 8-719-977-61	DIODE RD6.2M-I DIODE MA110 DIODE DTZ20B	B1			
C840 1-163-209-00 C841 1-163-209-00 C843 1-124-042-51	CERAMIC CHIP 0.0015MF CERAMIC CHIP 0.0015MF ELECT 0.47MF	5% 5% 20%	50V 50V 50V	D1604 D1605	8-719-404-46 8-719-404-46	DIODE MAILO DIODE MAILO				
C844 1-124-902-00 C845 1-124-126-00	ELECT 0.47MF ELECT 47MF		50V 10V	D1606 D1607	8-719-981-00 8-719-981-00 8-719-977-02	DIODE ERC81-00 DIODE ERC81-00 DIODE DTZ5.6A	04			
C846 1-124-907-11 C847 1-126-233-11	ELECT 10MF ELECT 22MF	201 201 201 201 201 107	50V 50V 35V	D1609	8-719-977-49	DIODE DTZ15B DIODE MA110				
C848 1-131-351-00 C849 1-164-182-11	TANTALUN 4.7MF CERAMIC CHIP 0.0033MF	10%	50 V	D1610 D1611 D1612	8-729-101-31 8-719-404-46	TRANSISTOR N1:	371			
C1601 I-124-907-11 C1602 1-164-161-11 C1603 I-104-348-91 C1604 I-128-500-51	CERAMIC CHIP 0.0022MF BLECT 15MF	20% 10%	50Y 50Y 50Y	D1613 D1614 D1615	8-719-404-46 8-719-404-46	DIODE HATTO				
C1605 1-124-922-11	BLECT 1000MF BLECT 1000MF	20% 20%	50V 50V	D1616 D1617	8-719-404-46 8-719-404-46 8-719-977-49	DIODE MAILO DIODE MAILO DIODE DTZ15B				
C1606 1-163-009-11 C1607 1-124-907-11 C1608 1-126-233-11	CERAMIC CHIP 6.001MF ELECT 10MF ELECT 22MF	10% 20% 20% 10%	50V 50V 50V	D1618	8-719-977-49 8-719-404-46	DIODE DTZ15B			. 1	
C1609 1-163-009-11	CERAMIC CHIP 0.001MF	102	50V						٠.	



Las composants identifies per une rampe de la components identified by shading and mark. A arc critical sont critiques pour la securite, Ne les remplacer que per une piece portant le numero pecific. Replace only with part number piece portant le numero specific.

		26	A CONTRACTOR OF THE PARTY OF TH		BERRO	1000	65720	
REF.NO. PART NO.	DESCRIPTION REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
D1626 8-719-404-46 D1627 8-719-404-46 D1628 8-719-404-46 D1635 8-719-404-46 D1699 8-719-404-46	DIODE MAIIO DIODE MAIIO DIODE MAIIO DIODE MAIIO DIODE MAIIO	Q1605 Q1606 Q1607 Q1608 Q1609	8-729-119-80 8-729-133-42 8-729-920-74 8-729-920-74 8-729-920-74	TRANSISTOR 2: TRANSISTOR 2: TRANSISTOR 2: TRANSISTOR 2: TRANSISTOR 2:	SC2688-L SC2334-L SC2412K- SC2412K- SC2412K-	-QR -QR -QR		
<fus< td=""><td></td><td>Q1610</td><td>8-729-920-74</td><td>TRANSISTOR 2</td><td>5C2412K-</td><td>-QR</td><td></td><td></td></fus<>		Q1610	8-729-920-74	TRANSISTOR 2	5C2412K-	-QR		
F16014. 1-532-777-21 F1602 1-533-189-11	FUSE, NICRO (SECONDARY) (1,254/1254) ARRIVED R. FUSE	Q1611 Q1612 Q1613 Q1614	8-729-920-74 8-729-920-74 8-729-920-74 8-729-920-74 8-729-920-74	TRANSISTOR 2: TRANSISTOR 2: TRANSISTOR 2: TRANSISTOR 2: TRANSISTOR 2:	SCZ4 (ZK-	·uĸ		
<10>	•	Q1615	8-729-216-22	TRANSISTOR 2	5A1162-G			
1C501 8-759-909-70 1C502 8-759-100-60 1C503 8-759-801-98 1C504 8-759-929-62 1C505 8-759-009-51		Q1616 Q1617 Q1618	8-729-216-22	TRANSISTOR 2: TRANSISTOR 2: TRANSISTOR 2:	SA1162-G SA1162-G			
10831 8-759-509-29	IC XRIIADIIRE	JRSIN	1-216-295-00	METAL GLAZE	0	57	1/10W	
1C832 8-759-509-37 1C833 8-759-009-51 1C1601 8-759-509-91	1C LEFFS12cr 1C MC14538BF 1C XRU401BF 1C XRU4070BF 1C XR410393F 1C XR410393F	R501 R502 R503 R504	1-216-089-00 1-216-089-00 1-249-437-11 1-216-073-00	METAL GLAZE METAL GLAZE CARBON METAL GLAZE	47K 47K 47K 10K	57 57 57 57	1/10W 1/10W	p ·
<001	b *	R505	1-249-393-11 1-216-071-00	CARBON	10	5%	1/4₩	F
L501 1-410-093-11 L502 1-410-665-31 L503 1-424-625-11 1506 1-412-530-31	INDUCTOR 33MMB INDUCTOR 15UB INDUCTOR 15UB INDUCTOR (PMC) 381.40H INDUCTOR 27MBI COLL (WITE CORE) 45UB COLL (WITE CORE) 45UB COLL CROKE 39OUH FERRITE BEAD INDUCTOR	R507 R508 R509	1-216-071-09 1-216-059-00 1-216-085-00 1-216-687-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL CHIP		0.50%	1/10W 1/10W 1/10W 1/10W	
L1601 1-459-155-00	COIL (WITH CORE) 45UK	R510	1-216-683-11 1-216-675-11	METAL CHIP METAL CHIP	22K 10K	0.50%	1/10W	
L1602 1-424-626-12 L1603 1-410-397-21	COIL, CHOKE 390UH FERRITE BEAD INDUCTOR	R512 R513 R514	1-218-761-11 1-216-065-00 1-218-754-11	METAL CHIP METAL GLAZE METAL CHIP	120%	0.504	1/10W 1/10W 1/10W 1/10W 1/10W	
<tra< td=""><td>NS1STOR></td><td>R515</td><td>1-216-081-00</td><td>METAL GLAZE</td><td>22K</td><td>5%</td><td>1/10W</td><td></td></tra<>	NS1STOR>	R515	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
9501 8-729-901-01 9502 8-729-901-01 9503 8-729-901-06 9504 8-729-901-01	NSISTOR> TRANSISTOR DTC144EK TRANSISTOR DTC144EK TRANSISTOR DTC144EK TRANSISTOR DTC144EK TRANSISTOR DTC144EK TRANSISTOR DTC144EK	R515 R516 R517 R518 R519	1-216-073-00 1-218-768-11 1-249-422-11 1-216-085-00	METAL GLAZE METAL CHIP CARBON METAL GLAZE	22K 10K 470K 2.7K 33K			3
Q505 8-729-920-74	TRANSISTOR 2SC2412K-QR	R520 R521	1-216-677-11 1-216-067-00	METAL CHIP METAL GLAZE	12K 5.6K	0.50% 5%	1/10W 1/10W	
9506 8-729-901-01 9507 8-729-901-01 9508 8-729-920-74 9509 8-729-920-74	TRANSISTOR DTC144EK TRANSISTOR DTC144EK TRANSISTOR 2SC2412K-QR TRANSISTOR 2SC2412K-QR	R521 R522 R523 R524	1-216-107-00 1-216-081-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE			1/10W 1/10W 1/10W 1/10W 1/10W	
Q510 8-729-901-06	TRANSISTOR DTA144EK	R525 R526	1-216-434-11 1-216-079-00	METAL OXIDE METAL GLAZE	1.8K 18K	5% 5%	1₩ 1/10₩	
Q511 8-729-901-01 Q512 8-729-920-74 Q513 8-729-216-22 Q514 8-729-216-22	TRANSISTOR DTC144EK TRANSISTOR 2SC2412K-GR TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G	R527 R528 R529	1-249-437-11 1-216-073-00 1-216-073-00	CARBON NETAL GLAZE METAL GLAZE		5% 5% 5% 5% 5%	1/4W 1/10W 1/10W	,
Q515 8-729-313-42	TRANSISTOR 2SD1134-C	R530	1-216-089-00 1-216-089-00	METAL GLAZE METAL GLAZE	47K 47K	5% 5%	1/10W 1/10W	
9516 8-729-901-01 9517 8-729-901-01 9518 8-729-920-74 9519 8-729-920-74 9525 8-729-920-74	TRANSISTOR DTC144EK TRANSISTOR DTC144EK TRANSISTOR 2SC2412K-QR TRANSISTOR 2SC2412K-QR	R530 R531 R532 R533 R534	1-216-097-00 1-216-089-00 1-216-097-00	METAL GLAZE METAL GLAZE METAL GLAZE	100K 47K 100K	5% 5% 5% 5%	1/10W 1/10W 1/10W	
4525 8-729-920-74	TRANSISTOR 25C2412K-QR	R535	1-216-053-00	METAL GLAZE FUSIBLE	1.5K 100	5% 5%	1/10W 1/4W	ŗ
9532 8-729-920-74 9533 8-729-920-74 9833 8-729-216-22 9834 8-729-920-74	TAMASITUR SCALLECTOR TAMASITUR	R535 R536 R537 R538 R539	1-212-881-11 1-215-867-00 1-216-095-00 1-216-095-00	METAL OXIDE METAL GLAZE METAL GLAZE	470 82K 82K	5% 5% 5% 5%	1/10W 1/10W 1/10W	2
Q835 8-729-920-74	TRANSISTOR 2SC2412K-QR	R540	1-216-101-00 1-216-063-00	METAL GLAZE METAL GLAZE	150K 3.9K	5% 5%	1/10₩ 1/10₩	
9836 8-729-309-08 91601 8-729-920-74 91602 8-729-920-74 91603 8-729-920-74	TRANSISTOR 2SC1890A-E TRANSISTOR 2SC2412K-QR TRANSISTOR 2SC2412K-QR TRANSISTOR 2SC2412K-QR	R540 R541 R542 R543 R544	1-216-075-00 1-216-065-00 1-216-101-00	METAL GLAZE METAL GLAZE METAL GLAZE	12K 4.7K 150K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
Q1604 8-729-216-22	7RANSISTOR 2SA1162-G	R545	1-216-041-00	METAL GLAZE	470	5%	1/10₩	

45. E



REF.N	D. PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION			r 12 s	REMARK
R546 R547 R548 R549 R550	1-216-091-00 1-216-121-00 1-216-107-00 1-216-101-00 1-216-354-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL OXIDE	56K 1M 270K 15GK 2.7	5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	F	R1503 R1504 R1505 R1506 R1507	1-216-049-00 1-216-689-11 1-216-089-00 1-216-667-11 1-216-081-00	METAL GLAZE METAL CHIP METAL CHIP METAL GLAZE METAL GLAZE	1K 39K 47K 4.7K 22K	5% 0.50% 5% 0.50% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R552 R553 R554 R555 R557	1-216-061-00 1-216-091-00 1-216-073-00 1-216-077-00 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE		5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R1508 R1509 R1510 R1511 R1512	1-216-073-00 1-216-065-00 1-249-425-11 1-216-033-00 1-216-049-00	METAL GLAZE CARBON METAL GLAZE METAL GLAZE METAL GLAZE	10K 4.7K 4.7K 220 1K 47	5% 5% 5% 5%	1/10W 1/10W 1/4W 1/10W 1/10W 1/10W	F
R558 R559 R560 R561 R562	1-216-049-00 1-216-065-00 1-216-037-00 1-216-085-00 1-216-057-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 330 33K 2.2K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R1513 R1519 R1520 R1601 R1602 R1603	1-216-017-00 1-216-031-00 1-216-057-00 1-216-685-11 1-216-681-11 1-216-671-11	METAL GLAZE METAL GLAZE METAL CHIP METAL CHIP METAL CHIP	180 2.2K 27K 18K 6.8K	5% 5% 0.50% 0.50% 0.50%	1/10W	
R564 R565 R566 R567	1-249-410-11 1-216-059-00 1-216-025-00 1-216-095-00 1-216-063-00	CARBON- METAL GLAZE METAL GLAZE METAL GLAZE	270 2.7K 100 82K	5% 5% 5%	1/4W 1/10W 1/10W 1/10W	F	R1604 R1605 R1606 R1607 R1608	1-249-433-11 1-216-070-00 1-216-070-00 1-216-071-00 1-216-065-00	CARBON NETAL GLAZE HETAL GLAZE HETAL GLAZE HETAL GLAZE	22K 7.5K 7.5K 8.2K 4.7K	5% 5% 5%	1/4W 1/10W 1/10W 1/10W 1/10W	F
R569 R570 R571 R572	1-216-063-00 1-216-093-00 1-216-089-00 1-216-095-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	68K 47K 82K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R1609 R1610 R1611 R1612 R1613	1-216-069-00 1-216-057-00 1-216-057-00 1-215-913-11 1-216-025-00	METAL GLAZE HETAL GLAZE HETAL GLAZE HETAL OXIDE HETAL GLAZE	6.8K 2.2K 2.2K 220 100	5% 5% 5%	1/10W 1/10W 1/10W 3W 1/10W	F
R574 R575 R576 R577 R578	1-216-063-00 1-216-105-00 1-216-109-00 1-216-105-00 1-249-457-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE CARBON	3.9K 220K 330K 220K	5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	F	R1614 R1615 R1616 R1617 R1618	1-216-067-00 1-216-657-11 1-216-629-11 1-216-659-11 1-216-073-00	HETAL GLAZE HETAL CHIP HETAL CHIP HETAL CHIP HETAL GLAZE	5.6K 1.8K 120 2.2K 10K	5% 0.50% 0.50% 0.50% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	, di
R579 R580 R591 R592 R831	1-249-457-11 1-216-001-00 1-216-063-00 1-216-033-00 1-216-049-00	CARBON METAL GLAZE METAL GLAZE METAL GLAZE		5% 5% 5%	1/4W 1/10W 1/10W 1/10W 1/10W	•	R1620 R1621 R1622 R1623 R1624	1-216-065-00 1-216-073-00 1-216-073-00 1-216-073-00 1-216-246-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 10K 10K 10K 10K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/8W	
R832 R833 R834 R835	1-216-075-00 1-216-065-00 1-216-059-00 1-216-081-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE		5% 5%	1/10W 1/10W 1/10W 1/10W		R1625 R1626 R1627 R1628 R1629	1-216-061-00 1-216-065-00 1-216-049-00 1-216-073-00 1-216-683-11	HETAL GLAZE HETAL GLAZE HETAL GLAZE HETAL GLAZE HETAL CHIP	3.3K 4.7K 1K 10K 22K	5% 5% 5% 5% 0.50%	1/10W 1/10W 1/10W 1/10W 1/10W	
R837 R838 R839 R840	1-216-075-00 1-216-049-00 1-216-061-00 1-216-097-00 1-216-093-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE		5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R1630 R1631 R1632 R1633 R1634	1-216-683-11 1-216-057-00 1-216-042-00 1-216-109-00 1-216-099-00	METAL CHIP METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	22K 2.2K 510 330K 120K	0.50% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R842 R843 R844 R847	1-216-077-00 1-216-049-00 1-216-085-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	338	5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R1635 R1636 R1640 R1641 R1642	1-216-097-00 1-216-073-00 1-216-063-00 1-216-073-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100K 10K 3.9K 10K 10K	57 57 57 57 57	1/10W 1/10W 1/10W 1/10W 1/10W	
R851 R852 R853 R854 R855	1-218-754-11	METAL CHIP METAL CHIP METAL GLAZE METAL CHIP METAL CHIP	220K 120K	0.50%	1/10W 1/10W		R1643 R1644 R1645 R1646 R1647	1-216-069-00 1-216-069-00 1-216-073-00 1-216-073-00 1-216-685-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL CHIP	6.8K 6.8K 10K 10K 27K	5% 5% 5% 0.50%	1/10W 1/10W 1/10W 1/10W 1/10W	
R856 R857 R858 R859 R860 R861	1-216-436-00	METAL CHIP METAL CHIP METAL GLAZE METAL OXIDE METAL CHIP METAL CHIP		0.50% 0.50% 0.50% 5% 5% 0.50% 0.50% 0.50%		F	R1648 R1649 R1650 R1651 R1652	1-216-069-00 1-216-069-00 1-216-069-00 1-216-069-00 1-216-069-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	6.8K 6.8K 6.8K 6.8K	57 57 57 57 57	1/10W 1/10W 1/10W 1/10W 1/10W	
R862 R863	1-216-672-11 1-216-675-11 1-249-435-11	METAL CRIP CARBON	10K 33K	0.50% 5%	1/10W 1/4W	F	R1653 R1654	1-216-069-00 1-216-681-11	METAL GLAZE METAL CHIP	6.8K 18K	5% 0.50%	1/10W 1/10W	

VM-6041QM

The components identified by
 In this manual
have been carefully factory-selected for each set in
order to satisfy regulations regarding X-ray radiation.
 Should replacement be required, replace only with
the value originally used.

Les composants identifies par une trame et une marque & sont entities pour la secunte Ne les remplacer que par une piece potatant le rumero specifie.

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

REF.NO. PART NO.	DESCRIPTION	DEMARK		PART NO.	DESCRIPTION	R	ENARK
						-	
R1655 1-216-081-00 R1656 1-216-643-11 R1657 1-216-081-00 R1658 1-216-063-00	METAL GLAZE 22K 5% METAL CHIP 470 0.5 METAL GLAZE 22K 5% METAL GLAZE 3.9K 5%	1/10W 0% 1/10W 1/10W 1/10W 1/10W	RVOOL	<var 1-241-846-11</var 	IABLE RESISTOR>		
R1659 1-216-049-00			RV002 RV003	1-241-846-11	RES, VAR. CARBON 20K RES, VAR. CARBON 20K RES, VAR. CARBON 20K RES, VAR. CARBON 20K		
R1660 1-216-649-11 R1661 1-216-065-00	METAL CHIP 820 0.5 METAL GLAZE 4.7K 5%	0% 1/10W 1/10W	RV004 RV005	1-241-845-11 1-241-845-11	RES, VAR, CARBON 20K RES, VAR, CARBON 20K		
	IABLE RESISTOR>			<\$WI	TCH>		
RV501 1-238-019-11 RV502 1-238-017-11 RV503 1-241-763-11 RV504 1-224-250-XX RV505 1-238-009-11	RES, ADJ, CARBON 47K RES, ADJ, CARBON 22K RES, ADJ, CERMET 4.7K RES, ADJ, METAL GLAZE 2 RES, ADJ, CARBON 220	.2К	\$001 \$003 \$004 \$005	1-554-419-00 1-554-419-00	SWITCH, PUSH (1 KEY) SWITCH, PUSH (1 KEY) SWITCH, PUSH (1 KEY)		
	and the second second				*******************	***********	******
RV507 1-238-013-11 RV508 1-238-012-11	RES, ADJ, CARBON 1K RES, ADJ, CARBON 2.2K RES, ADJ, CARBON 1K			*A-1390-277-C	S BOARD, COMPLETE		
RV509 1-238-020-11 RV511 1-238-015-11	RES, ADJ, CARBON 100K RES, ADJ, CARBON 4.7K			*3-738-015-01	COVER, (DIA. 6) CARBON 1	VR	
RV512 1-238-015-11 RV514 1-238-019-11	RES, ADJ, CARBON 4.7K RES, ADJ, CARBON 47K RES, ADJ, CARBON 220K			<cap< td=""><td>ACITOR></td><td></td><td></td></cap<>	ACITOR>		
RV515 1-238-021-11 RV516 1-241-763-11 RV831 1-228-997-00	RES, ADJ, CARBON 220K RES, ADJ, CERMET 4.7K RES, ADJ, METAL GLAZE 1	007	C1101	1-163-119-00	CERAMIC CHIP 120PF CERAMIC CHIP 0.1MF	5% 50 10% 25	
					ELECT 47MF CERAMIC CHIP 0.01MF CERAMIC CHIP 75PF	10% 25 20% 16 50 5% 50	V
RV1601 1-241-762-11 RV1602 1-238-012-11	RES, ADJ. CERMET 10K RES, ADJ. HETAL GLAZE RES, ADJ. CERMET 2.2K RES, ADJ. CARBON 1K RES, ADJ. CERMET		C1106 C1107	1-163-101-00	CERAMIC CHIP 22PF	5% 50 10% 25	V V
		EZZET DEZETAV PANEK I C.AA	C1109	1-163-119-00 1-163-031-11	CERAMIC CHIP 120PF CERAMIC CHIP 0.01MF CERAMIC CHIP 100PF	5% 50 50 5% 50	Ψ
<rel< td=""><td></td><td></td><td>C1110</td><td>1-163-117-00</td><td>CERANIC CHIP TOUPF</td><td>10% 50</td><td></td></rel<>			C1110	1-163-117-00	CERANIC CHIP TOUPF	10% 50	
RY1601 1-515-481-21	RELAY (GZR-ZIZP-Y)		C1111 C1112 C1113	1-126-160-11 1-163-119-00	DIECT ING	20% 50 5% 50	IV IV
<tra< td=""><td>NSFORMER></td><td></td><td>C1114 C1115</td><td>1-163-103-00 1-164-004-11</td><td>CERAMIC CHIP 120PF CERAMIC CHIP 27PF CERAMIC CHIP 0.1MF</td><td>5% 50 10% 25</td><td>V V</td></tra<>	NSFORMER>		C1114 C1115	1-163-103-00 1-164-004 - 11	CERAMIC CHIP 120PF CERAMIC CHIP 27PF CERAMIC CHIP 0.1MF	5% 50 10% 25	V V
71601 1-437-216-11	TRANSFORMER, DRIVE		C1116	1-163-114-00	CERAMIC CHIP 75PF	5% 50	y.
<the< td=""><td>RMISTOR></td><td></td><td>C1117 C1118 C1119</td><td>1-164-004-11</td><td>CERAMIC CHIP 0.1MF CERAMIC CHIP 0.0082MF CERAMIC CHIP 15PF</td><td>20% 16 10% 25 10% 50</td><td>74 74 17</td></the<>	RMISTOR>		C1117 C1118 C1119	1-164-004-11	CERAMIC CHIP 0.1MF CERAMIC CHIP 0.0082MF CERAMIC CHIP 15PF	20% 16 10% 25 10% 50	74 74 17
TH501 1-807-971-11	THERMISTOR		C1120	1-163-020-00 1-163-097-00		5% 50)¥
	*****************	**************	! 01122	1-163-097-00 1-163-222-11	CERAMIC CHIP 15PF CERAMIC CHIP 5PF	5% 50 0.25PF 50)¥
*1-644-020-11	HB BOARD		C1123 C1130	1-163-097-00 1-163-097-00 1-163-097-00	CERAMIC CHIP 15PF CERAMIC CHIP 15PF CERAMIC CHIP 15PF	5% 50 5% 50)¥
*4-341-751-01 *4-348-208-00			1 1131	1-103-031-00	CERANIC CHII 1311	<i>y</i> , <i>y</i> ,	,,
*4-340-200-00	HOLDER, LED				NECTOR>		
	NECTOR>		CN110	1*1-565-488-11	CONNECTOR, BOARD TO BOA	RD 12P	
CN001 1-506-478-11	PIN, CONNECTOR 13P		1	<d10< td=""><td>IDE></td><td></td><td></td></d10<>	IDE>		
<010	DE>			8-719-404-46 8-719-404-46			
D001 8-719-920-05 D002 8-719-109-68	DIODE SLP281C-50 DIODE RD3.6ESB1						
∠BDC	ISTOR>		ICITO	<1C 1 8-752-056-67			
R001 1-247-713-11	CARBON 1K 5%	1/4₩	10110				
B002 1-216-295-00	CARBON 1K 5% METAL GLAZE 0 5%	1/10W		<c01< td=""><td>Þ</td><td></td><td></td></c01<>	Þ		

nly with part number

Les composants identifies par une trame et une marque Λ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

PVM-6041QM

SG

HATERIAN STREET	and ha	eningani/isa								
RT NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DE	SCRIPTION		REMARK
408-411-00 404-496-00 404-496-00 408-411-00 412-008-31	INDUCTOR COIL COIL INDUCTOR INDUCTOR CHIP	15UH 15UH 15UH					G B	OARD (SOPS-102		
412-008-31	INDUCTOR CHIP	15UH			STATES AND ADDRESS OF	478127139	ELLENANTE	Elitaritha 2003	Caraman de la company de la co	To the state of th
<tra< td=""><td>NSISTOR></td><td></td><td></td><td></td><td>C601 A</td><td></td><td><capacit< td=""><td></td><td>22HF 201</td><td>250V</td></capacit<></td></tra<>	NSISTOR>				C601 A		<capacit< td=""><td></td><td>22HF 201</td><td>250V</td></capacit<>		22HF 201	250V
729-216-22 729-920-74 729-216-22 729-216-22 729-901-01	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR DT TRANSISTOR DT	C2412K-QR A1162-G A1162-G			C602 A C603 A C604 A C605 A	. 1-136-889 1-161-973 1-161-973 1-161-973	9-11 MET 8-51 CEN 8-51 CEN 3-51 CEN	ALIZED FILM G. AMIC 220P AMIC 220P AMIC 220P	22MF 201 22MF 20X F 10X F 10X F 10X	250Y 400V 400V 400V
729-901-01 729-109-44 729-920-74	TRANSISTOR DT TRANSISTOR 2S TRANSISTOR 2S	K94-X4			C608 A C610 A C611 A C612 A	1-161-742 1-161-742 1-125-724 1-136-206 1-124-910	(=51 CBH 2-51 CEH 1-11 ELE 5-21 MET 3-51 BLE	AMIC 0.00 AMIC 0.00 CT 180M ALIZED FILM 0 CT 47MF	22MF 20% 22MF 20% F 20% 033MF 10% 20%	
<res< td=""><td>ISTOR></td><td></td><td></td><td></td><td>C613 A</td><td>1-137-190</td><td>) 91 MR1</td><td>ALIZED FILM O.</td><td>22MF 5%</td><td>50¥ 50¥</td></res<>	ISTOR>				C613 A	1-137-190) 91 MR1	ALIZED FILM O.	22MF 5%	50¥ 50¥
216-053-00 216-067-00 216-059-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1.5K 5% 5.6K 5% 2.7K 5% 10K 5% 180 5%	1/10W 1/10W 1/10W 1/10W		C615 C651 A C652 A	1-130-471 1-161-925 1-128-486	1-91 PE 5-11 CER 5-51 ELE	TEREPHTHALATE AMIC 100P CT 680M	207	50Y 50Y 500Y 50Y
216-073-00 216-031-00	METAL GLAZE	180 5%	1/10W		C653 A	1-128-485	3-51 ELE	CT 220N	IF 207 D.01MF 5%	50Y 50Y
-216-059-00 -216-071-00 -216-039-00 -216-063-00 -216-069-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	2.7K 5% 8.2K 5% 390 5% 3.9K 5% 6.8K 5%	1/10W 1/10W 1/10W 1/10W 1/10W				<connect< td=""><td>10R></td><td>SY 3P</td><td></td></connect<>	10R>	SY 3P	
-216-065-00 -216-059-00 -216-069-00 -216-055-00 -216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 5% 2.7K 5% 6.8K 5% 1.8K 5% 3.3K 5%	1/10W 1/10W 1/10W 1/10W 1/10W				<diode></diode>			
-216-069-00 -216-061-00 -216-073-00 -216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	6.8K 5% 3.3K 5% 10K 5% 1K 5% 100K 5%	1/10W 1/18W 1/10W 1/10W							
-216-097-00	METAL GLAZE		1/10₩		D605	8-719-11 8-719-971	3-44 D10 1-08 D10	IDE ROZOES-118 IDE ESAC39M 060		
-216-121-00 -216-039-00 -216-065-00 -216-029-00 -216-029-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1M 5% 390 5% 4.7K 5% 150 5% 150 5%	1/10W 1/10W 1/10W 1/10W 1/10W		106012	√1-809-086 ×8-759-908	<1C> 6-12 HII 8-15 TC	CN 1018		
-216-053-00 -216-043-00 -216-049-00 -216-091-00 -216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1.5K 5% 560 5% 1K 5% 56K 5% 0 5%	1/10W 1/10W 1/10W 1/10W 1/10W				<coil></coil>			
-216-073-00 -216-073-00 -216-073-00 -216-091-00	METAL GLAZE METAL GLAZE METAL GLAZE	10K 5% 10K 5% 10K 5% 56K 5%	1/10W 1/10W 1/10W 1/10W		L601 L602 L651 L652	4 1-424-616 6 1-424-57 6 1-424-25 6 1-424-61	6-11 TA 4-11 L.J 5-41 CO 5-11 CO	ANSFORMER, LINI II. CHOKE MOLI II. CHOKE	E FILTER DE) 100K	
	DIADLE DECLES	n.					<transi< td=""><td></td><td></td><td></td></transi<>			
	RIABLE RESISTO RES, ADJ,	a.			2601	3-729-32	2 18 TR	ANSISTOR ZSNEAD	124	
[-238-013-11 [-238-013-11	RES.				1		<resist< td=""><td>OR></td><td></td><td></td></resist<>	OR>		

QM .	have been carefully f order to satisfy regula	entified by in this manual actory-selected for each set in titions regarding X-ray radiation, be required, replace only with sed.
RT NO.	DESCRIPTION	REMARK
212-865-61 247-805-91 260-128-91 260-128-91 215-904-51	CARBON 82 CARBON 2701	(5% 1/2W (5% 1/2W
247-789-91 247-795-91	METAL OXIDE 100	5% 1/4W 5% 1/4W
	METAL DXIDE 100 METAL DXIDE 100 CARBON 1.71 CARBON 4.71 CARBON 33K	5% 2% F 57 2W F 51 1/2W F 53 1/2W 53 1/4W

<VARIABLE RESISTOR>

237-443-1T GREST ADJ CARBON IX

<TRANSFORMER>

iso-too-ez-transforment/convented

247-867-91 CARBON 33K 5% 1/4W 247-837-91 CARBON 1.8% 5% 1/4W

MISCELLANEOUS

413-720-21; SWITCHING REGULATOR (SOPS 1021)
426-614-11-COLC. DEMACHSTIZATION
426-614-11-DEFLECTION YNE. (YOGAVAZ)
452-126-11 MAGNET
53-925-11 CORE. FERRITE

544-252-11 SPEAKER 576-232-11 BUSL ILLOOF AGER 50W BLK 733-92-183-01 WER ULTOOF AGER 50W BLK 733-921-05-1805-660W

ACCESSORIES & PACKING MATERIALS

RT NO.	DESCRIPTION	REMARK
590-918-1 590-871-1 990-241-0 170-078-0 755-607-1	2 HOLDER (A), PLUG 1 HOLDER (B), PLUG	mananan manana Mananan mananan manana
336-595-0 336-599-0 336-600-0	1 INDIVIDUAL CARTON 1 CUSHION (LOWER) (ASSY)	

Les composants identifies par une trame et une marque A sont critiques pour la secunte. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark $ilde{\Delta}$ are critical for safety.
Replace only with part number specified.

SONY. SERVICE MANUAL

AEP Model

CORRECTION-2

Correct the service manual as shown below. File this collection with the service manual.

: Corrected portion

SECTION 7 EXPLODED VIEWS

7-1, CHASSIS (See page 76)

Incorrect	Correct			
■ : +P4×25 7-685-567-09	■ :4	-P4×25 7-682-567-09		
_	PART. NO. 1-941-906-07	DESCRIPTION CONNECTOR ASSY, VH 3P (DC12V IN Jack)		

SECTION 8 ELECTRICAL PARTS LIST (See page 88) D BOARD

lr	correct	Correct		
PART. NO.	DESCRIPTION	PART. NO.	DESCRIPTION	
* A-1341-562-A	D BOARD, COMPLETE	* A-1346-067-A	D BOARD, COMPLETE	
		\		



SERVICE MANUAL

AEP Model

Chassis No. SCC-F09D-A

SUPPLEMENT-1

INTRODUCTION

 B board: The transistor is changed to the pair transistor (Q189).

The diodes are changed to the three-terminal diodes (D185, D186, D187, D188, D191, D390 and D1382).

 Doard : The transitors are changed to the pair transitors (Q569, Q576, Q579 and Q599).
The clodes are changed to the three-terminal diodes (D520, D521, D589, D848, D1620, D1622 and D1623).

. S board : The pattern is modified.

Note)

Before using the circuit board, confirm that the parts number shown below and the parts number of the circuit board which is being used in your set are the same.

Board (Complete No.)	Board Part. No.
B (A-1135-726-A)	1-641-716-15
D (A-1346-067-A)	1-641-717-16
S (A-1394-392-A)	1-641-719-15



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	1-2.	Printed Wiring Boards and		
		Schematic Diagrams	٠.	3
		S Board	• •	4
		D Board ·····	٠,	7
		B Board ····		16
2.	FLE	ECTRICAL PARTS LIST	٠.	31

(CAUTION)

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAPTOTHE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.

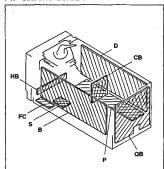
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK & ON THE SOCHEMATIO DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL. TO SAFE OPERATION, REPLACE THESE COPENATION, WITH SONLY PARTS WHOSE PART NUMBERS FOR PARTS WHOSE PART NUMBERS AND SONLY CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

SECTION 1 **DIAGRAMS**

1-1. CIRCUITS BOARDS LOCATION



1-2. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytic.
- · Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch: 5 mm Rating electrical power 1/4 W

- · All resistors are in oftms.
- ; nonflammable resistor
- Δ : internal component ; panel designation.
- · All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- . The components identified by A in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- · When replacing components identified by . make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by El and repeat the adjustment until the specified value is achieved. (Refer to RV651, RV1603 and RV833 adjust on page 18 and
- . When replacing the part in below table be sure to perform the related adjustment.

Part replaced (2)	Adjustment (☑)
IC601, IC651, PH602, C655, R653, R655, R656, R657, RV651	RV651 (B+ MAX)
Q1801, Q1802, Q1803, D1801, D1803, D1822, C1601, C1802, R1801, R1802, R1803, R1804, R1805, R1808, R1807, R1808, R1828, R1829, R1830, RV1801, RV1803	RV1803 (B+ MAX IN DC POWER INPUT MODE)
ICS02, Q833, Q834, Q835, Q836, D835, D836, C519, C843, C844, C845, C846, C847, C848, RV833, R523, R650, R851, R852, R853, R854, R855, R856, R857, R858, R859, R861, R862, R863, NL801	R833 (HOLD-DOWN)

- All voltages are in V.
- · Voltage are dc with respect to groundunless otherwise noted.
- . Readings are taken with a color-bar signal input.
- Readings are taken with a PAL color-bar signal input. : adjustment fir repair.
- · Voltage variations may be noted due to normal production
- tolerance.
- . --- : B bus. 高温気分: signal path.
- . No mark; with PAL color-bar signal received or common voltage.
-); with SECAM color-bar signal received.
- > ; with NTSC 3.58 color-bar signal received.
-)) ; with NTSC 4.43 color-bar signal received.
-] ; with S(Y/C) color-bar signal received.
-); with analog RGB color-bar signal received.
- « » : with component color-bar signal received.
- * : measurement impossibility

Reference information

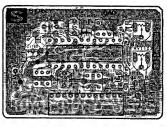
RESISTOR : RN METAL FILM

- : RC SOLID
- : FPRD NONFLAMMABLE CARBON
- ; FUSE NONFLAMMABLE FUSIBLE NONFLAMMABLE WIREWOUND : RS
- : RB NONFLAMMABLE CEMENT
- : LF-BL MICRO INDUCTOR
- COIL
- CAPACITOR : TA TANTALUM
 - : PS STYROL
 - : PP POLYPROPYLENE
 - : PT MYLAR
 - METALIZED POLYESTER : MPS

 - : MPP METALIZED POLYPROPYLENE
 - : ALB BIPOLAR
 - : ALT HIGH TEMPERATURE
 - HIGH RIPPLE : ALR

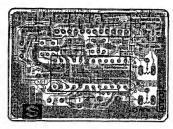
ISECAM DEMODULATION

~ S Board - - Component Side -

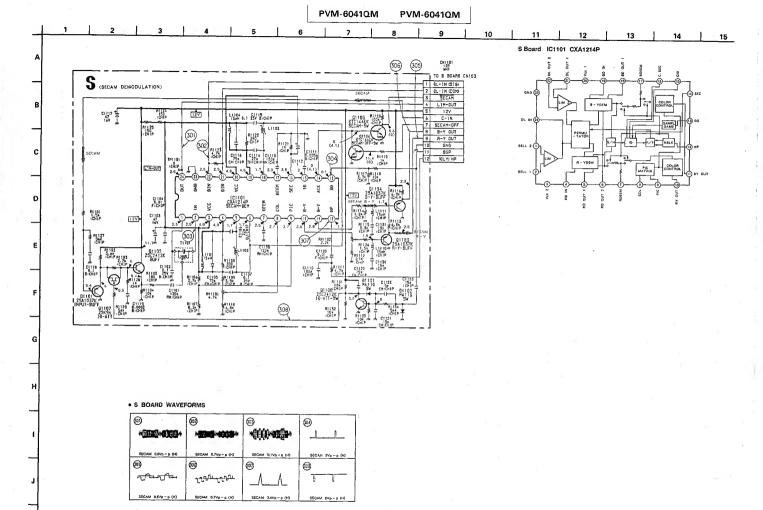


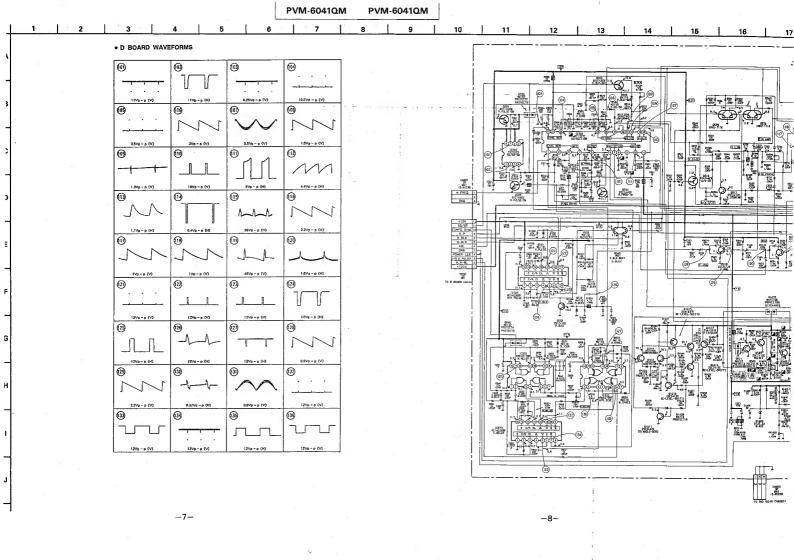
- · Pattern from the side which enables seeing.
- . Pattern of the rear side.

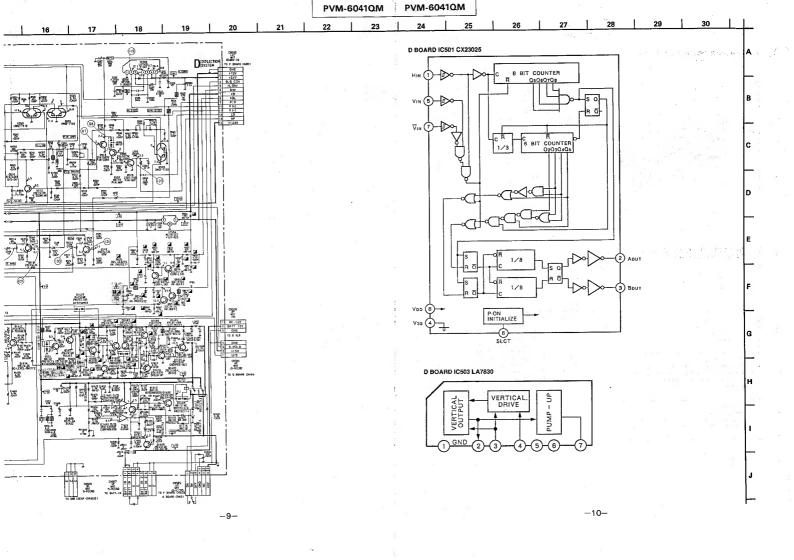
- S Board - - Conductor Side -



- Pattern from the side which enables seeing.
- Pattern of the rear side.

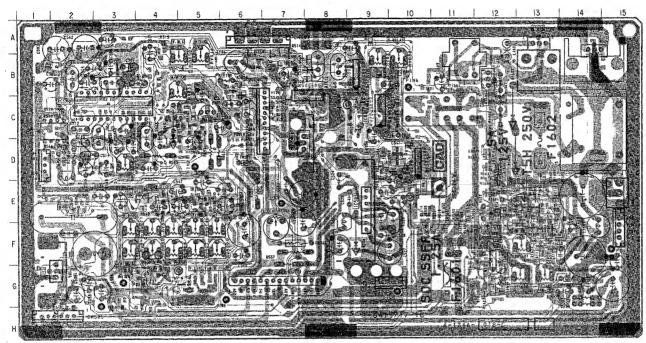








- D Board - - Component Side -



D Board (Component Side)

1	c ·		
2505	C-8		
31	D-10)	
	8-9		
33	C-9		
C1801	F ~ 12		
TRAN	SISTOR		
Q505	F-12	l	
Q508	F-12	Į.	
Q509	E-12	i	
Q512	E-4	l	
0532	8-6	ĺ	
0576	G-5		
Q579	G-4		
0599	E-2	!	
Q1607	G = 12		
Q1610	E - 13		
Q1611	F-13	1	
Q1812	E - 13	ì	
Q1613	F-13	ľ	
Q1614	F-13	1	
Q1615	E-13		
Q1616	E-13		
01617	E - 13	1	
Q1618	D - 12		
DI	ODE	1	
D508	A-6	1	
DS12	C-8	1	
D514	A-7		
D520	C-2	I	
D521	F-12	I	
D833	A-8	1	
D834	A - 9	1	
D836	C - 5		
D848	D - 10	1	
D1609	G-12	!	
D1610		ì	
	F-13	1	
D1627		l	
D1628	F-13	l	

- D Board - - Conductor Side -

D Board (Component Side)

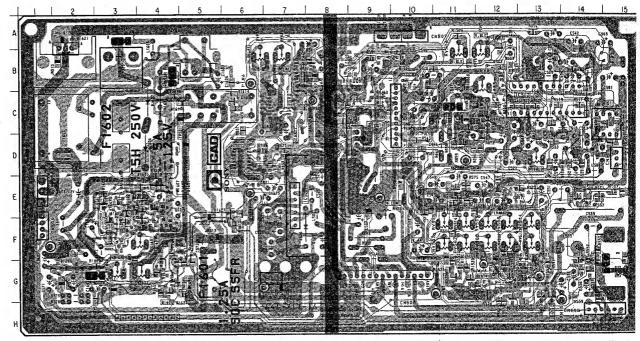
IC.			
1C505	C-8		
IC831	D - 10		
IC832	B - 9		
IC833	Ç - 9		
IC1601	F - 12		

TRANSISTOR

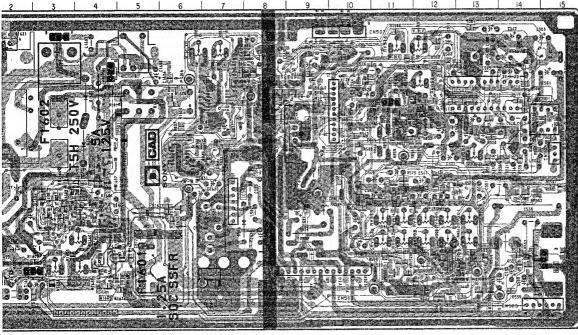
Q505	F-12
Q508	F - 12
Q509	E - 12
Q512	E-4
Q532	B-6
Q576	G - 5
Q579	3-4
Q599	E-2
	G - 12
	E-13
Q1611	
	E - 13
Q1613	F - 13
Q1614	
	E-13
	E - 13
	E-13
Q1618	D-12

DIODE

D508	A-6
D512	C - B
D514	A-7
D520	C-2
D521	F-12
D833	8-A
D834	A-9
D836	C-5
D848	D - 10
D1609	3-12
D1810	G-10
D1826	F-13
D1627	F-13
D1628	F-13



ctor Side --



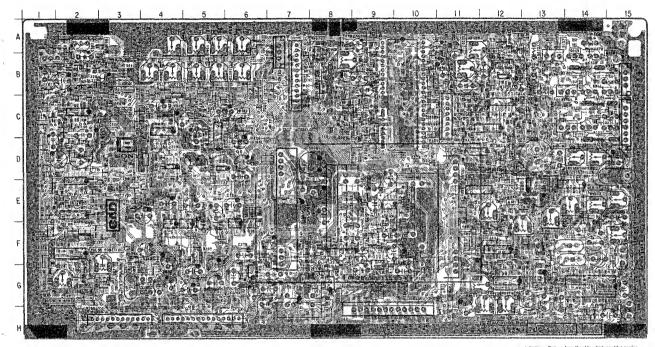
D Board (Conductor Side)

IC '	D835 C - 12
	D1601 E-4
IC501 C - 15	D1603 E-4
IC502 C - 13	D1606 D-4
IC503 E - 7	D1607 C-4
IC504 D - 9	D1608 G-2
	D1611 G-3
	D1612 F-6
TRANSISTOR	D1615 G-2 D1617 C-4
	D1617 C-4
Q501 C-15	D1620 C-6
Q502 D-15	D1622 E-4
Q503 A = 12	D1623 F-3
Q504 C-13	D1635 G-5
Q510 E-10	D1699 G-2
Q513 G-14 Q515 G-15	
Q518 E-12	
Q518 E-12	VARIABLE
Q519 E = 11	RESISTOR
Q589 G-13	RV501 B = 12
Q833 C = 12	RV502 F = 11
QB34 C-11	RV503 D - 13
Q835 C = 11	RV504 E-9
Q835 C-11	RV505 F - 12
Q1501 E-4	RV506 F - 12
Q1802 E-4	RV507 F-11
Q1603 F - 3	RV508 F - 12
Q1604 E-3	BV508 F = 12
Q1605 B-4	RV511 F-13
Q1806 A-3	RV512 F-13
Q1608 E-6	RV514 F-11
Q1609 G-4	RV515 F=11
	RV516 B-11
	RV831 B-7
DIODE	RV832 B - 6
	RV833 B-12
D501 B = 13	RV1601 F-4
D502 B = 12	RV1602 G-4
D502 B = 12 D503 B = 12	
D502 B = 12 D503 B = 12 D504 C = 14	RV1602 G-4
D502 B = 12 D503 B = 12 D504 C = 14 D506 F = 7	RV1602 G-4
D502 B = 12 D503 B = 12 D504 C = 14 D506 F = 7 D507 G = 15	RV1602 G-4
D502 B = 12 D503 B = 12 D504 C = 14 D506 F = 7 D507 G = 15 D511 C = 8	RV1602 G-4
D502 B - 12 D503 B - 12 D504 C - 14 D506 F - 7 D507 G - 15 D511 C - 8 D589 G - 13	RV1602 G-4
D502 B = 12 D503 B = 12 D504 C = 14 D506 F = 7 D507 G = 15 D511 C = 8 D589 G = 13 D831 D = 7	RV1602 G-4
D502 B - 12 D503 B - 12 D504 C - 14 D506 F - 7 D507 G - 15 D511 C - 8 D589 G - 13	RV1602 G-4
D502 B = 12 D503 B = 12 D504 C = 14 D506 F = 7 D507 G = 15 D511 C = 8 D589 G = 13 D831 D = 7	RV1602 G-4

Pattern from the side which enables seeing.
 Pattern of the rear side.



- B Board - - Component Side -



B Board (Component Side)

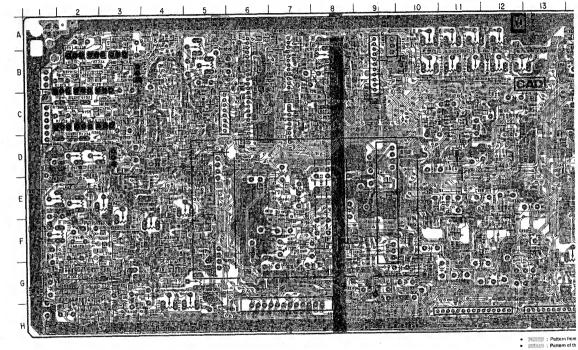
	1C	Q189	G - 4
		Q191	8-2
IC102	G-9	Q193	8-1
IC103	9-8	Q196	B-2
IC104	F-9	Q197	8-2
IC105	G-6	Q198	A-3
IC106	F-2	Q200	F - 8
IC107	E-2	Q204	B-9
10108	E-2	Q205	A - 9
IC108	C-2	0206	A - 8
IC110	F - 12	Q20B	B - 3
IC111	E-11	Q212	C 11
IC113	G - 14	0299	A-11
IC114	G-12	1	
IC115	E-14		
IC116	D-11] Di	ODE
IC117	F-6		
IC118	F - 5	D107	D = 2
IC119	F - 4	D121	E-4
IC120	C - 4	D122	E - 4
IC121	D-5	D123	C-4
IC122	D-5	D128	E - 1
IC123	D - 4	D130	B - 13
IC125	C - 12	D131	C - 14
IC126	0-12	D132	D-14
IC127	C-12	D137	G - 11
IC128	E-13	D138	B - 13
IC129	8-4	D139	C - 13
		D146	D - 12
		D151	C-5
TRAN	ISISTOR	D152	B-4
		D153	B-4
Q101	F-6	D154	B - 13 C - 13
0104	G - 10	D156	A - 13
Q109	A - 12	D157	B-11
Q115	C - 1	D162 D188	B-11
Q119	F - 12	D188	C-1
Q121 Q124	E - 12 F - 11	D342	D-12
		D342	H-2
Q129	G – 3	D343	F-8
Q132	C-5		
Q136	F - 6	D345	A-14
Q137	F-5	D346	B~14
Q138	F - 5	D347	C-14.
Q141	C-6	D348	B - 14
Q150	G-8	D349	C - 14
Q164	B - 12	D350	D-14
Q166	D - 12	D390	D-1 G-3
Q171	F-9	D393	G-3
Q176	F-9		

B Board (Component Side)

DOLIG (GOI)	p	
IC	Q189	G - 4
	G191	B-2
IC102 G-9	Q193	8-1
IC103 G-8	Q196	8-2
1C104 E-9	Q197	B-2
IC105 G~6	Q198	A-3
IC106 F-2	0200	F-8
IC107 E-2	Q204	B - 9
IC108 E-2	Q205	A - 9
IC109 C-2	Q206	A-8
1C110 F-12	0208	B-3
IC111 E-11	0212	C-11
IC113 G-14	0289	A - 11
IC114 G-12		
10115 E-14		ODE
IC116 D - 11	الا	ODE
IC117 F-6	D107	D-2
IC118 F-5	D121	E-4
IC119 F-4	D122	E-4
1C120 C-4	D123	0-4
IC121 0-5	D128	E-1
IC122 D-5	D130	B - 13
IC123 D-4	D131	C-14
IC125 C = 12	D132	D - 14
IC126 C-12	D137	G-11
IC127 C-12	D138	B - 13
IC128 E 13	D139	C 13
IC129 B-4	D146	D-12
	D151	C-5
TRANSISTOR	D152	B-4
110 (140/010101	D153	8-4
Q101 F - 6	D154	B = 13
Q104 G-10	D156	C-13
Q109 A-12	D157	A – 13
Q115 C-1	D162	B - 11
Q119 F-12	D188	C-9
Q121 E-12	D191	0-1
Q124 F-11	D342	D - 12
Q128 G-3	D343	H ~ 2
Q132 C = 5	D344	F - 8
Q136 F = 6	D345	A - 14
Q137 F - 5	D346	B-14
Q138 F = 5	D347	C-14
Q141 C-6	D348	B-14

	٠	Q191	B-2
IC102	G-9	Q193	B-1
IC103	G-8	Q196	B-2
1C104	E-9	Q197	8-2
IC105	G-6	Q198	A-3
IC106	F-2	0200	F-B
IC100	E-2	0.204	B-9
IC108	E-2	0205	A-9
IC108	C-2	Q206	A-8
IC110	F-12	0208	B-3
	E-11	0212	C-11
IC111 IC113	G-14	0289	A = 11
IC114	3-12		
IC114	E-14		
	D - 11	ום (ODE
IC116			
IC117	F-6	D107	D-2
IC118	F-6	D121	E-4
IC119	F - 4	D122	E-4
IC120	C-4	D123	0-4
IC121	0-5		
IC122	D - 5	D128	E-1 B-13
10123	D-4	D130	
IC125	C - 12	D131	C-14
IC126	C-12	D132	D 14
IC127	C-12	D137	G-11
IC128	E-13	D138	B - 13
IC129	B-4	D139	C-13
		D146	D-12
		D151	C-5
TRAP	ISISTOR	D152	B-4 8-4
-		D153	B = 13
Q101	F - 6	D156	C-13
Q104	G-10	D157	A - 13
G108	A-12	D162	B - 11
Q115	0-1	D188	C-9
0119	F-12	D188	C-1
0121	E-12	D191	D-12
Q124	F-11	D342	H-2
Q128	G - 3		
Q132	C - 5	D344	F-8
Q135	F - 6	D345	A - 14
Q137	F - 5	D346	B-14
Q138	F-5	D347	C - 14
0141	C-6	D348	B-14
Q150	G-8	D349	C-14
0164	B-12	D350	
Q165	D - 12	D390	D-1
	F-9	D393	G-3
Q171	F-9	1	

- B Board - - Conductor Side -

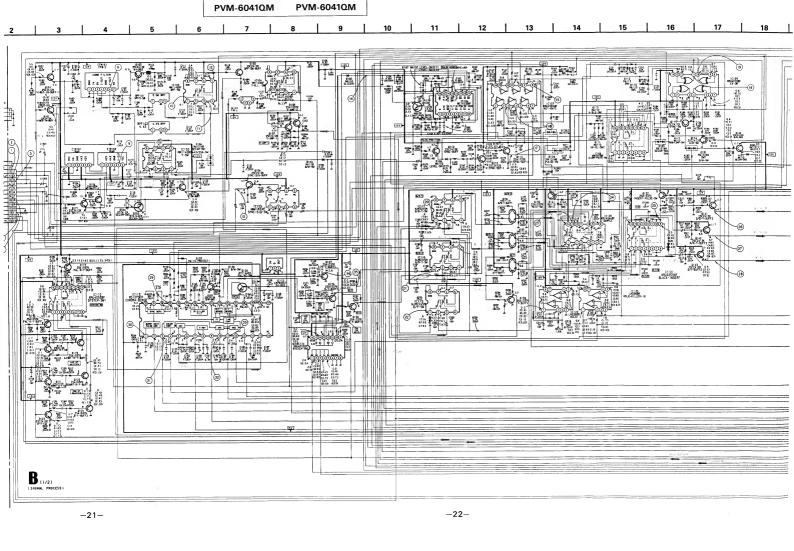


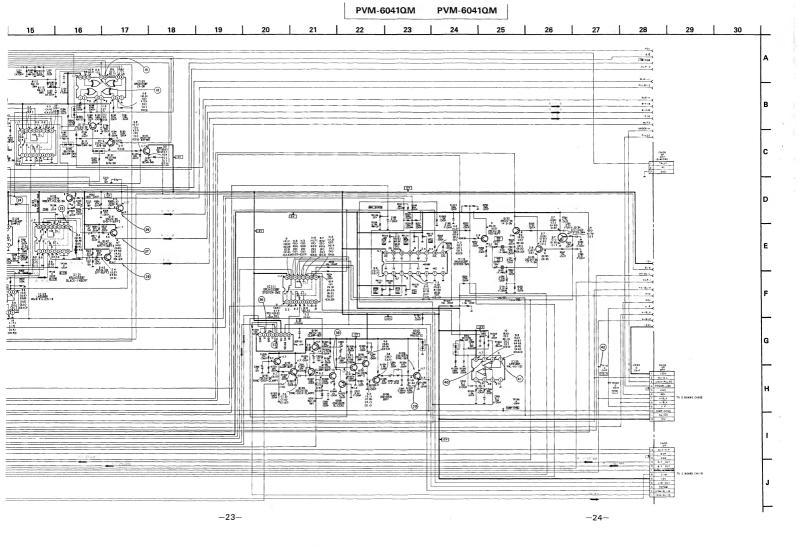
B Board (Conductor Side)

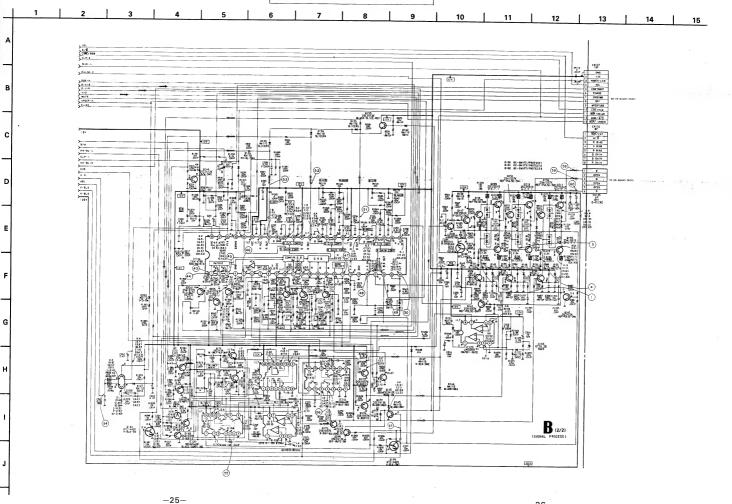
	iC	Q174 Q175	C-4 C-4		IABLE STOR
IC112	G-3	0177	A-4	RV101	G-15
EC124	0-3	Q179	A-4	RV102	6-14
		Q190	C-12	RV103	E-4
		Q192	B - 14	RV104	F-4
TRAN	SISTOR	Q194	B-15	RV105	H-5
1		Q195	B ~ 14	RV108	H-4
0102	G - 10	Q199	A - 15	RV107	G-5
0103	E - 9	0201	C-7	RV108	D-2
Q106	F 10	0202	0-8	RV109	F-1
Q107	E - 7	Q203	C-8	RV110	E-1
Q108	E 7	Q210	B - 2	RV111	D-2
Q112	D-14	Q211	C-2	RV112	E-2
0113	D-14			RV113	F-3
D114	D - 15		205	RV114	E-3
0118	E - 15	יוט	ODE	RV115	A-10
Q117 Q118	F = 15 E = 4	D104	F-7	RV116	B-11
Q120	F-4	D105	G-8	RV118	B - 12
0122	F-4	D108	D-14	RV119 RV120	A-12
Q123	F-8	D108	E-14	RV121	A-11
0125	H-2	D109	E-14	RV122	A-10
Q126	G - 3	D110	F-14	BV123	B-8
0127	H-4	D111	F - 15	RV124	B-5
Q128	H - 3	D112	C - 15	RV125	A-5
Q130	G-4	D113	C - 14	RV205	B-11
0131	G - 2	D117	E-14		
Q133	G - 3	D120	H-3		
Q134	F-3	D125	A - 10		
Q135	F - 3	D126	B - 10		
0139	F-12	D127	F - 13		
Q140	E 11	D129	H-2		
Q142	C - 10	D133	B-6 C-6	1	
Q143	C - 11	D134	0-6	1	
Q144 Q145	A+7 C-7	D136	D-3	1	
	B-3	D136	D-4		
Q146 Q147	D-3	D145	D-4		
Q148	A-2	D147	A-5		
0149	B-2	D148	B-3		
Q151	B - 2	D149	B-2		
Q152	8-2	D150	D-3		
Q153	C-7	D155	B - 3		
Q154	0-2	D158	B-3	1	
Q155	C - 2	D159	C-2	1	
Q157	B-3	D160	D-12		
0158	B - 3	D161	D - 12	1	
Ω159	C-3	D170	G-13	1	
0160	A-4	D185	E-14		
0161	C-3	D188	F~8	1	
0185	D – 4	D187	G - 14 E - 11		
Q187	C-5	D285			
Q168	C-5	D289	B - B B - 14		
0170	C-4	D341 D1382	B-14 D-12		
0172	0-4 D-4	D1382	0-12	1	
0173					

[:] Pattern from the side which enables seeing.

Side --







PVM-6041QM

Q113 Q115 Q118 Q119 Q121 Q122 Q130

Q151

— B Board —

		PAL	SECAM	NTSC 3.58	NT8C 4.43	8 (Y/C)	ANALDQ RGB	COMPO
Q113	ε	0.5	0.5	0.4	0.4	0.5	0.5	0.5
	8	1.0	1.0	0.9	0.9	0.9	0.9	1.0
Q115	Ε	11.2	9.3	0.0	10.6	0.0	0.0	0.0
	В	2.6	2.2	0.1	2.4	0.1	0.1	0.0
Q118	Ε	0.0	0.0	1.7	1.7	1.7	1.7	1.7
Q119	В	0.1	0.0	1.7	1.7	1.7	1.7	1.7
Q121	Ε	0.0	0.0	1.7	1.7	1.7	1.7	1.7
Q122	В	0.0	0.0	1.7	1.7	1.7	1.7	1.7
Q130	Ε	4.3	4.3	4.4	4.4	4.5	4.4	4.4
	B	3.7	3.7	3.6	3.6	3.9	3.6	3.6
Q132	F	2.3	2.3	2.4	2.3	2.4	2.4	2.4
	c	1.6	1.7	1.7	1.7	1.7	1.6	1.6
	8	2.7	2.6	2.6	2.7	2.8	2.7	2.9
0146	c	116.7	114.4	110.4	113.2	113.7	114.3	114.1
Q147	Ē	117.9	115.6	111.6	114.5	115.0	115.5	115.4
4141	c	126.0	123.5	120.3	123.4	123.8	124.6	124.4
	8	119.6	119.5	110.5	110.4	116.2	114.2	114.2
Q146	c	66,1	64.9	91.2	63.4	62.6	82.5	62.2
4146	8	94.0	93.3	66.3	92.4	92.1	94.2	90.6
Q149	E					1.7		
Q149		1.6	1.6	1.4	1.7		1.7	1.7
	С	66.1	84.9	91.2	63.4	82.7	62.5	62.5
Q151	E	90.7	91.4	98.0	87.9	87.0	88.5	66.4
	С	69.2	69.6	96.5	66.4	65.3	84.9	64.7
	В	92.1	92.7	100.2	69.5	92.4	00.5	66.9
Q152	E	66.1	66,0	92.6	82.6	62.9	62.6	82.7
	С	10.6	10.5	9.7	10.9	10.9	10.9	11.0
Q154	В	92.5	92.9	8.69	90.1	68.7	90.4	89.2
Q155	В	68.3	88.5	95.7	85.7	83.9	84.6	83.9
Q157	E	62.4	61.1	67.5	79.9	79.9	80.6	79.4
	В	66.0	64.6	91.2	64.4	82.7	82.5	82.1
Q158	E	1.6	1.5	1.3	1.6	1.6	1.7	1.7
	В	2.1	2.0	1.6	2.1	2.2	2.2	2.2
Q159	Ε	1.6	1.6	1.3	1.6	• 1.7	1.7	1.7
	В	2.2	2.1	1.5	2.1	2.2	2.2	2.2
Q163	E	0.2	0.6	2.7	0.5	-0.5	-0.7	-0.6
Q166	В	0.9	0.9	0.6	1.0	1.0	1.0	1.0
Q168	С	2.1	2.0	1.6	2.1	2.2	2.1	2.2
Q170	В	2.3	2.3	2.1	2.4	2.4	2.4	2.4
Q172	8	2.2	2.1	1.9	2.2	2.3	2.2	2.3
Q173	В	1.7	1.6	1.4	1.7	1.7	1.7	1.7
Q174	E	2.1	2.0	1.6	2.1	2.2	2.2	2.2
	В	1.6	1.5	1.3	1.6	1.6	1.7	1.7
Q176	В	6.2	8.3	6.2	6.3	6.1	6.2	6,2
Q209	E	63.4	81.5	67.9	60.3	80.4	80.4	79.6
	c	115.8	113.2	110.7	113.2	113.6	114,5	114.2
	В	67.8	86.4	92.6	65.0	64.3	64,2	63.6
Q210	E	66.5	66.3	93.1	63.0	63.3	83.0	62.6
	c	116.5	114.2	111.5	113.9	114.5	115.1	114.9
Q211	c	115.9	113.6	111.7	113.3	113.6	114.5	114.3

				NTSC	NTSC		ANALOG	Course
		PAL	SECAM	3.58	4.43	8 (Y/C)	RQB	NENT
IC102	0	8.6	8.8	0.0	8.8	0.0	0.0	0,0
IC106	0	0.2	0.1	0.1	0.1	0.1	0.1	0.2
	0	1.8	1.7	1.7	1.7	1.7	1.6	1.6
IC107	0	10.7	10.7	10.6	10.6	10.6	10.6	10.8
	0	1.2	10.7	0.0	0.0	0.0	0.0	0.0
10108	0	9.7	0.4	9.7	9.6	9.6	1.1	9.6
IC109	0	11.3	11.3	0.0	10.8	0.0	0.0	0.0
	3	11.3	11.4	0.0	11.3	0.0	0,0	0.0
	0	11.7	0.0	0.0	11.7	0.0	0.0	0.0
	9	11.0	11.1	0,0	11.0	0.0	0.0	0,0
IC110	0	2.1	2.2	2.5	2.5	2.5	2.5	2.5
	0	11.3	11.3	0.0	11.3	0.0	0.0	0,0
	0	11.3	11.3	0.0	0.0	0.0	0.0	0.0
	₩.	0.8	0.8	2.5	2.5	2.5	2.5	2.5
	8	1.7	1.7	2.5	2.6	2.5	2.5	2.5
IC113	0	2.7	1.1	2.6	2.8	2 6	1.1	1.1
	0	4.2	4.3	4.2	4.3	4.3	4.8	4.8
	0	3.0	2.9	2.8	3.0	2.8	2.9	2.0
	6	2.2	2.5	2.9	2.2	1.9	2.8	2.8
IC114	63	11.4	11.3	0,0	0.0	0.0	0.0	0.0
	0	3.7	3.7	3.8	3.8	3.8	3.9	3.9
IC115	9	1.2	1.1	0.6	0.7	0.7	0.6	0.8
	0	3.5	3.5	3.4	2.8	3.4	3.4	3.4
IC116	0	0.0	0.0	1.0	1.1	1.1	1.3	1.1
IC120	3	5.5	5.6	5.6	5.8	5.6	5.6	5.6
	0	5.5	5.6	5.6	5.6	5.8	5.0	5.6
IC121	0	5.3	. 5.3	5.4	5.2	5.2	5.1	5.1
	0	5.6	5.7	5.6	5.6	5.7	5.7	5.7
	0	5.6	5.7	5.6	5.8	5.7	5.7	5.6
IC122	0	5.3	5.3	5.4	5.2	5.2	5.1	5.1
	3	5.3	5.3	5.4	5.2	5.2	5.1	5.1
IC124	8	0.1	0.1	0.2	0.2	0.2	0.2	0.2
IC125	0	1.4	1.4	1.3	1.4	1.5	1.5	1.5
IC126	0	1.6	1.5	1.3	1.8	1.8	1.7	1.6
	0	1.6	1.5	1.3	1.8	1.8	. 1.8	1.7
	0	1.7	1,6	1.4	1.7	1.7	1.6	1.7
IC127	0	3.0	2.9	2.6	3.0	3.1	3.0	3.0
	0	1.4	1.4	1.3	1.5	1.5	1.5	1.5
	0	2.1	2.7	2.4	2.8	2.8	2.8	2.8

- 10 -

• B BOARD WAVEFORMS

B BOARD WAVE	0111110			
0	2		3	
	rhunhu	~\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Thrh	Married Larrer
S (Y/C) 0.5Vp - p (H)	RGB 1Vp-p (H)	COMPONENT 0.5Vp - p (H)	RGB 1Vp−p (H)	COMPONENT 1Vp - p (H)
4		(5)		8
Unun/uu	-ՄԱՄԻ-ՄԱՄԻ		15-15-	Market Principle
RGB 0.6Vp - p (H)	COMPONENT 0.75Vp = p (H)	PAL IVp-p (H)	S (Y/C) 1Vp-p (H)	SECAM 1Vp-p (H)
(8)	70°70°		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
NTSC3.58 1Vp - p (H)	NTSC4.43 1Vp = p (H)	S (Y/C) 1Vp-p (H)	PAL 0.75Vp - p (H) SECAM 0.75Vp - p (H)	NTSC3.58 1Vp-p (H)
9	100			10
her her	***	***	HARTHANDS -	+(3)+(3)
NTSC4.43 1Vp - p (H) S (Y/C) 1Vp - p (H)	PAL 0.2Vp-p (H)	NTSC3.58 0.3Vp - p (H)	NTSC4.43 0.15Vp-p (H)	PAL 0.3Vp - p (H)
0		12	(1)	
			March Laries	42-42-
SECAM 0.2Vp - p (H)	NTSC3.58 0.2Vp - p (H) NTSC4.43 0.3Vp - p (H)	S (Y/C) 0.2Vp-p (H)	PAL 0.9Vp - p (H) SECAM 0.9Vp - p (H)	NTSC4.43 Vp - p (H) NTSC4.43 Vp - p (H) S (Y/C) Vp - p (H)
(3)		14	15	16
	الهسية الهبهة	\\		
RGB 0.8Vp-p (H)	COMPONENT IVp - p (H)	4Vp-p (H)	12Vp-p (H)	12Vp-p (H)
0	118	19	2	20
~~~			-1000-1000	
12Vp - p (H)	12Vp - p (H)	12Vp-p (H)	SECAM 0.5Vp - p (H)	SECAM 0.5Vp - p (H)
22		~~ ~~	<b>3</b>	<b>29</b>
armyr-	البسيب الهبه	المستاه المستدار	ــــــــــــــــــــــــــــــــــــــ	
PAL 0.7∨p = p (H)	SECAM 0.6Vp - p (H)	NTSC1.58 1Vp = p (H) NTSC4.43 1Vp = p (H) S (Y/C) 1Vp = p (H)	12Vp-p (H)	12Vp - p (H)

<b>3</b>	26	4. 4.	-n -n	
	Mr.Mr	᠆ᠰᠾᠰᠰ᠕ᠰ	<del>- 11111 - 11111 -</del>	<del>ՎՈւդ ՎՈւդ</del>
12Vp-p (H)	PAL 1.2Vp - p (H)	SECAM 1.2Vp - p (H)	NTSC3.58 1.2Vp - p (H) NTSC4.43 1.2Vp - p (H)	\$ (Y/C) 1.2Vp - p (H)
<b>26</b>		<b>Ø</b>		
	-ՄԱՄ-ՄՄՆ	25-25-	Manh	- That
RG8 1.4Vp = p (H)	COMPONENT 1.4Vp - p (H)	PAL 1,3Vp - p (H)	SECAM 1.2Vp - p (H)	NTSC3.58 1.3Vp - p (H) NTSC4.43 1.3Vp - p (H) S (Y/C) 1.3Vp - p (H)
<b>②</b>		28		
nnnn	25mgh	~~~		
RGB 1.4Vp-p (H)	COMPONENT 1.4 Vp = p (H)	PAL 1.2Vp - p (H) SECAM 1.2Vp - p (H) COMPONENT 1.4Vp - p (H)	NTSC3.56 1.5Vp = p (H) NTSC4.43 1.5Vp = p (H) S (Y/C) 1.5Vp = p (H)	RG8 1.4Vp-p (H)
Ø	90,,,,,,,,,,,	③		<b>3</b>
Bal 1/42-0 (47)	PAN IVO-R OV	+(33)+(33)+	100	
PAL 1Vp = p (H) SECAM 1Vp = p (H) NTSC3.55 1Vp = p (H) NTSC4.43 1Vp = p (H) S (Y/C) 1Vp = p (H)	PAL 1Vp = p (H) SECAM 1Vp = p (H) NTSC3.58 1Vp = p (H) NTSC4.43 1Vp = p (H) S (Y/C) 1Vp = p (H)	PAL 0.36Vp - p (H)	NTSC3.58 0.3Vp - p (H) NTSC4.43 0.3Vp - p (H) S (Y/C) 0.3ZVp - p (H)	PAL 0.2Vp-p(H)
32	33		0000	34
-	The state of the s	-	₩	~ <del>~~~~</del>
SECAM IVp-p (H)	PAL 0.7Vp-p (H)	SECAM 1.1Vp-p (H)	NTSC355 1.0Vp - p (H) (9.58HH ₂ ) NTSC4.43 0.6Vp - p (H) (4.43HH ₂ ) S (Y/C) 1.0Vp - p (H) (3.58HH ₂ )	PAL 1.2Vp-p (H)
(34)	(35)	-	36)	
- Traff	Mr. Mar.	᠕ᡀᠰᡀᡙ	+(	-III-
NTSC3.58 1.2Vp - p (H) NTSC4.43 1.2Vp - p (H) S (Y/C) 1.2Vp - p (H)	PAL 0.6Vp-p (H)	NTSC3.58 1.2Vp = p (H) NTSC4.43 0.8Vp = p (H) S (Y/C) 1.2Vp = p (H)	PAL 0.4Vp~p (H)	SECAM 0.1Vp - p (H)
36)	<b>9</b>			38
4331-4331-	+		-	
NTSC3.58 0.3Vp - p (H) NTSC4.43 0.45Vp - p (H) S (Y/C) 0.35Vp - p (H)	PAL 0.55Vp - p (H)	SECAM 0.1Vp = p (H)	NTSC3.58 0.4Vp - p (H) S (Y/C) 0.4Vp - p (H)	PAL 0.4Vp - p (H) SECAM 1Vp - p (H) RGB 0.4Vp - p (H) COMPONENT 0.4Vp - p (H)
(38)	39	40	41)	42
1			-Andr	
NTSC3.58 0.4Vp - p (H) NTSC4.43 0.4Vp - p (H) S (Y/C) 0.4Vp - p (H)	12Vp - p (H)	PAL 11Vp - p (H)	PAL 1.5Vp - p (H)	PAL 87400 SCAM 11400 NTSCAS 11400 NTSCAS 11400 NTSCAS 11400 NTSCAS 11400 SCAM 87400 SCAM 8740
43	1			44
mana		-	-Jung	**************************************
PAL 0.35Vp - p (H)	SECAM 0.35Vp~p (H)	NTSC3.58 0.35Vp - p (H) NTSC4.43 0.32Vp - p (H) S (Y/C) 0.35Vp - p (H)	COMPONENT 0.28Vp - p (H)	PAL 0.45Vp = p (H)
44		_	45	
-100m-100m	*DAY *DAY	MhrMhr	~~~	
SEGAM 0.45Vp - p (H)	NTSC3.58 0.45Vp - p (H) NTSC4.43 0.4Vp - p (H)	S (Y/C) 0.33Vp - p (H) COMPONENT 0.36Vp - p (H)	PAL 0.5Vp - p (H) SECAM 0.5Vp - p (H) COMPONENT 0.6Vp - p (H)	NTSC3.58 0.8Vp - p (H) NTSC4.43 0.8Vp - p (H) S (Y/C) 0.8Vp - p (H)

	1 1		1
	111111	<del>-11111 11 -11  11 -</del>	<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>
SECAM 0.35Vp - p (H)	NTSC3.58 0.8Vp - p (H)	NTSC4.43 0.6Vp-p (H)	S (Y/C) 0.8Vp - p (H)
<b>47</b>	<b>49</b>	49	60
4.6Vp = p (V)	10.4Vp - p (V)	3.5Vp - p (V)	3.5Vp - p (H)
ոխարա	र कापूर कापूर	JwwJww	ւխտուխտ
SECAM 3Vp-p(H)	NTSC3.SB 3.2Vp - p (H) NTSC4.43 3.2Vp - p (H) S (Y/C) 3.2Vp - p (H)	COMPONENT 3Vp - p (H)	RGB 2.7Vp-p (H)
المرسالير. الم	-البنا-لبنا-	Halfard - Halfard -	-
SECAM 2.6Vp - p (H)	NTSC3.56 3.4Vp - p (H) NTSC4.43 3.4Vp - p (H) S (Y/C) 3.4Vp - p (H)	RGB 2.7Vp - p (H)	COMPONENT 3Vp - p (F
المحالب	المرنية المرنية	THE THE	المصامع
SECAM 2.6Vp - p (H)	NTSC3.58 3.1Vp - p (H) NTSC4.43 3.1Vp - p (H) 8 (Y/C) 3.1Vp - p (H)	ROB 2.6Vp-p(H)	COMPONENT 2.8Vp - p (I
	69	56	57
$\sim$			
NTSC3.58 0.9Vp - p (V) NTSC4.43 1Vp - p (H) S (Y/C) 0.7Vp - p (V)	11Vp-p (H)	10Vp - p (H)	2.4Vp = p (H)
ռակոռովու	भीत्र भीत् ।	mhmmhm	Մադիա
SECAM 80Vp-p (H)	NTSC3.58 86Vp - p (H) NTSC4.43 90Vp - p (H) S (Y/C) 86Vp - p (H)	RG8 70Vp-p (H)	COMPONENT BOVP - p (
~~~~	F. F.		
SECAM 72Vp - p (H) NTSC3.56 72Vp - p (H)	NTSC4.43 80Vp - p (H) S (Y/C) 86Vp - p (H)	RG8 70Vp-p (H)	COMPONENT BOVP - p (
$\sqrt{1}$		hallad	~~
SECAM 64Vp-p (H)	NTSC3.58 80Vp - p (H) NTSC4.43 80Vp - p (H) S (Y/C) 80Vp - p (H)	RGB 70Vp−p (H)	COMPONENT BOVP-P
	SECAM 200-0 00 SECAM 200-0 00	SCAM 2509-9 00 NTSCAM 2009-9 00 NTSCAM 2	SECAM 20/0-0 00 NTSCASS 0 0/0-0

NOTE:

The components identified a shading and mark a are critical for safety.
Replace only with part number specified.

Les composants identifies pa une trame et une marque & sont critiques pour la securite Ne les remplacer que par un piece portant le numero specifie

REF.NO. PART NO. DE

*A-1135-726-A B B(

<FILTER>

BPF101 1-236-363-11 FILT BPF102 1-236-364-11 FILT

<CAPAC1TO

1-124-477-11 ELEC 1-124-477-11 ELEC 1-124-477-11 ELEC 1-124-120-11 ELEC 1-124-120-11 ELEC 1-163-031-11 CERA 1-163-031-11 CERA 1-163-031-11 ELEC 1-124-124-11 ELEC 1-124-124-11 ELEC 1-124-124-11 ELEC 1-124-124-11 ELEC 1-124-124-11 ELEC 1-124-124-11 ELEC 1-124-11 ELEC 1-124-477-11 ELEC 1-124-477-11 ELEC

1-163-031-11 1-126-154-11 1-124-477-11 1-124-477-11 1-163-031-11 1-163-031-11 1-126-154-11 1-126-154-11 1-163-031-11

1-163-031-11 CERA 1-163-031-11 CERA 1-163-031-11 CERA 1-124-589-11 ELEC 1-124-589-11 CERA 1-163-275-11 CERA 1-163-113-00 CERA

1-163-113-00 CERA 1-163-115-00 CERA 1-124-589-11 ELEC 1-163-031-11 CERA 1-163-205-00 CERA 1-163-141-00 CERA

C141 1-163-141-00 CERA
C142 1-163-031-11 CERA
C143 1-163-121-00 CERA
C144 1-163-101-00 CERA
C145 1-163-131-00 CERA

C146 1-126-157-11 FLEC

SECTION 2 ELECTRICAL PARTS LIST

В

46				
- 	++++		-11111-11-1 1 -	
PAL 0.36Vp - p (H)	SECAM 0.35Vp-p (H)	NTSC3.58 0.8Vp-p (H)	NTSC4.43 0.6Vp-p (H)	S (Y/C) 0.8Vp - p (H)
46	47	48, ,	49	69
COMPONENT 0.3Vp - p (H)	4.6Vp - p (V)	10.4Vp - p (V)	3.5Vp - p (V)	3.5Vp - p (H)
61				
"hww'hwr	ոխտուրու	r buyu buyu	JwwJww	rhmmhm
PAL 2.5Vp - p (H)	SECAM 3Vp-p (H)	NTSC3.58 3.2Vp - p (H) NTSC4.43 3.2Vp - p (H) S (Y/C) 3.2Vp - p (H)	COMPONENT 3Vp-p (H)	PGB 2.7Vp - p (H)
1				
,["]	-المرسال	التبا لبنا	-	-
PAL 2.5Vp = p (H)	SECAM 2.8Vp - p (H)	NTSC4.43 3.4Vp - p (H) NTSC4.43 3.4Vp - p (H) 8 (Y/C) 3.4Vp - p (H)	RGB 2.7Vp - p (H)	COMPONENT 3Vp - p (H)
63				
-لتناتت	12-1-	المخيه المخيه	ha har	122
PAL 25Vp - p (H)	SECAM 2.5Vp - p (H)	NTSC3.58 3.1Vp - p (H) NTSC4.43 3.1Vp - p (H) S (Y/C) 3.1Vp - p (H)	PG8 2.8Vp-p (H)	COMPONENT 2.8Vp - p (H)
64		69	66	69
PAL 0.6Vp - p (V)				1-4-4-
PAL 0.6Vp - p (V) SECAM 0.6Vp - p (V) RGB 0.6Vp - p (V) COMPONENT 0.6Vp - p (V)	NTSC3.58 0.9Vp = p (V) NTSC4.43 1Vp = p (H) S (Y/C) 0.7Vp = p (V)	11Vp - p (H)	10Vp - p (H)	2.4Vp - p (H)
68				
ւլտույոտ	ռվտովտ	भीव भीवि	Mununlun	JwyJwy
PAL 72Vp - p (H)	SECAM 80Vp-p (H)	NTSC3.56 86Vp - p (H) NTSC4.43 90Vp - p (H) S (Y/C) 86Vp - p (H)	RGB 70Vp - p (H)	COMPONENT 80Vp - p (H)
69				
J-1_J-1_	~~~~~	THE THE	Action	~~~~~\
PAL 78Vp - p (H)	SECAM 72Vp - p (H) NTSC3.58 72Vp - p (H)	NTSC4.43 90Vp - p (H) S (Y/C) 85Vp - p (H)	AGB 70Vp − p (H)	COMPONENT 60Vp - p (H)
⑥ .				
ww	γ		hallad	~~{\~~
PAL 66Vp - p (H)	SECAM 64Vp - p (H)	NTSC4.43 90Vp - p (H) NTSC4.43 90Vp - p (H) S (Y/C) 80Vp - p (H)	RG8 70Vp-p (H)	COMPONENT 80Vp - p (H)

NOTE:

The components identified by shading and mark A are critial for safety. Replace only with part number

specified. Recognization CHARLES AND SECURE AND SECURE AND SECURE Les composants identifies par une trame et une marque A sont critiques pour la securite.

Ne les remplacer que par une

piece portant le numero specifie.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

 The components identified by M in this manual
- RESISTORS All resistors are in ohms
 F : nonflammable

Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

the board name. CAPACITORS COILS

When indicating parts by reference number, please include

have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

REF.NO. PART N		DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
*A-1135		B BOARD, COM	PLETE *****			C147 C148 C149 C150	1-164-232-11 1-126-160-11 1-163-022-00 1-124-589-11	CERAMIC CHIP ELECT CERAMIC CHIP ELECT	1MF	10% 20% 10% 20%	50V 50V 50V 16V
	<fil< td=""><td></td><td></td><td></td><td></td><td>C151</td><td>1-163-131-00</td><td>CERAMIC CHIP</td><td>390PF</td><td>5%</td><td>50V</td></fil<>					C151	1-163-131-00	CERAMIC CHIP	390PF	5%	50V
BPF101 1-236- BPF102 1-236-	363-11 364-11	FILTER, BAND FILTER, BAND	PASS PASS			C152 C153 C154 C155	1-163-101-00 1-163-125-00 1-163-031-11 1-163-133-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	220PF 0.01MF	5% 5% 5%	50V 50V 50V 50V
	<cap< td=""><td>ACITOR></td><td></td><td></td><td></td><td>1</td><td>1-164-299-11</td><td></td><td></td><td>10%</td><td></td></cap<>	ACITOR>				1	1-164-299-11			10%	
C101 1-124- C102 1-163- C103 1-126- C106 1-124- C107 1-163-	157-11 477-11	ELECT CERAMIC CHIP ELECT ELECT CERAMIC CHIP	10MF 47 MF	201 201 201	16V 50V 16V 16V 50V	C156 C157 C158 C159 C160	1-163-229-11 1-124-477-11 1-163-229-11 1-163-229-11	CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP	47MF 12PF	57 207 57 57	25V 50V 16V 50V 50V
C108 1-124- C109 1-124- C110 1-124- C111 1-163- C112 1-163-	477-11 477-11 120-11 031-11	ELECT ELECT ELECT CERAMIC CHIP CERAMIC CHIP	47MF 47MF 220MF 0.01MF	20% 20% 20%	16V 16V 16V 50V 50V	C161 C162 C163 C164 C165	1-124-902-00 1-124-903-11 1-163-809-11 1-163-809-11 1-163-009-11	ELECT ELECT CERAMIC CHIP CERAMIC CHIP	0.047MF	20% 20% 10% 10% 10%	50V 50V 25V 25V 50V
C112 1 103 0		CERAMIC CHIP			50V	C166 C167	1-163-031-11	CERAMIC CHIP	0.01MF 47MF	20%	50V 16V
C114 1-124- C115 1-163- C116 1-124- C117 1-126-	477-11 031-11 589-11	ELECT CERAMIC CHIP ELECT ELECT	47MF	20% 20% 20%	16V 50V 16V 6.3V	C168 C169 C170	1-163-031-11 1-163-243-11 1-163-129-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.01MF 47PF	5% 5%	50V 50V 50V
C118 1-126-		ELECT	47MF	20%	6.37	C171 C172	1-163-243-11	CERAMIC CHIP CERAMIC CHIP	47PF 330PF	5% 5%	50V 50V
C119 1-163- C120 1-126- C121 1-124- C122 1-124-	031-11 154-11 477-11	CERAMIC CHIP ELECT ELECT ELECT		20% 20% 20%	50V 6.3V 16V 16V	C173 C174 C175	1-124-589-11 1-124-477-11 1-108-792-11	ELECT ELECT MYLAR	47MF 47MF 0.001MF	20% 20% 5%	16V 16V 50V
C123 1-163-6 C125 1-126- C126 1-163-6 C128 1-126- C129 1-163-6	031-11 154-11 031-11 154-11	CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP	0.01MF 47MF 0.01MF 47MF	20%	50V 6.3V 50V 6.3V 50V	C176 C177 C178 C179 C180	1-163-031-11 1-163-031-11 1-163-031-11 1-126-160-11 1-163-031-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP	0.01MF 0.01MF 1MF	20%	50V 50V 50V 50V 50V
C130 1-163- C131 1-163- C132 1-124- C133 1-124- C134 1-163-	031-11 031-11 589-11 589-11	CERAMIC CHIP CERAMIC CHIP ELECT ELECT CERAMIC CHIP	0.01MF 0.01MF 47MF 47MF	20% 20% 5%	50V 50V 16V 16V 50V	C181 C182 C183 C184 C185	1-126-154-11 1-126-163-11 1-164-232-11 1-163-031-11 1-163-031-11	ELECT ELECT CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	O.OIMF	20% 20% 10%	6.3V 16V 50V 50V 50V
C135 1-163- C137 1-163- C138 1-124- C139 1-163-	113-00 115-00 589-11 031-11	CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP	68PF 82PF 47MF 0.01MF	5% 5% 20%	50V 50V 16V 50V	C186 C187 C188 C189 C190	1-163-099-00 1-163-031-11 1-163-031-11 1-163-035-00 1-163-121-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.01MF 0.01MF 0.047MF	5% 5%	50V 50V 50V 50V 50V
C140 1-163-		CERAMIC CHIP		5%	50V	C191	1-163-031-11	CERAMIC CHIP			50V
C141 1-163- C142 1-163- C143 1-163- C144 1-163- C145 1-163-	121-00 101-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.01MF 150PF 22PF	5% 5% 5%	50V 50V 50V 50V 50V	C192 C193 C194 C195	1-163-03I-11 1-124-589-11 1-124-589-11 1-124-589-11	CERAMIC CHIP ELECT ELECT ELECT	0.01MF 47MF 47MF 47MF	20% 20% 20%	50V 16V 16V 16V
	157-11		10MF	20%	167	C196 C197	1-124-589-11 1-124-589-11	ELECT ELECT	47MF 47MF	20% 20%	16V 16V

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		PART NO.	DESCRIPTION	REMAR	K REF.NO. PART NO.	DESCRIPTION		REMARK	REF. NO. PART NO	DESCRIPTION	REMAI	RK REF.NO.	PART NO.	DESCRIPTION		REMARK	REF. NO). Pi
	C198 C199 C202 C203 C204	1-124-589-11	ELECT 47MF	20% 16V 20% 16V 20% 16V 20% 16V 20% 16V 20% 16V	C266 1-126-320-11 C267 1-126-320-11 C268 1-124-477-11 C269 1-164-004-11	FLECT 10MF	201 201 201 201 101 101	16V 16V 16V 25V 25V	CN103 *1-565-5 CN104 1-506-4 CN105 *1-564-5	06-11 PLUG, CONNECTOR 03-11 CONNECTOR, BOAT 77-11 PIN, CONNECTOR 09-11 PLUG, CONNECTOR 78-11 PIN, CONNECTOR	RD TO BOARD 12P 12P R 6P	D185	8-719-404-46 8-719-404-46 8-719-404-46 8-719-404-46 8-719-104-34	DIODE MA110 DIODE MA110			JR132 JR133 JR178	1 1- 1 1- 1 1-
	C205 C206 C207 C208 C209	1-163-101-00	CERAMIC CHIP 0.15MF	5% 50V 10% 25V 10% 25V 5% 50V 10% 25V	C271 1-163-809-11 C272 1-163-129-00 C273 1-163-129-00 C274 1-124-477-11 C275 1-163-119-00	CERAMIC CHIP 0.047MF CERAMIC CHIP 330PF CERAMIC CHIP 330PF ELECT 47MF CERAMIC CHIP 120PF	107 57 57 207 57	25V 50V 50V 16V 50V	CTR101 1-236-3 CTR102 1-236-3	<trap module=""> 66-11 MODULE, TRAP 65-11 MODULE, TRAP</trap>		D186 D187 D188 D191	8-719-400-18 8-719-800-76 8-719-800-76 8-719-104-34 8-719-404-46 8-719-404-46	DIODE 155226 DIODE 155226 DIODE 152836			L101 L102 L103 L104 L105	1- 1- 1-
	C210 C211 C212 C213 C214	1-124-589-11 1-124-589-11 1-124-589-11 1-124-589-11 1-126-157-11	ELECT 47MF BLECT 47MF BLECT 47MF BLECT 47MF BLECT 10MF	20% 16V 20% 16V 20% 16V 20% 16V 20% 16V 20% 16V	C277 1-163-097-00 C278 1-163-809-11 C279 1-126-157-11 C280 1-163-117-00	CERAMIC CHIP 0.047MF ELECT 10MF CERAMIC CHIP 100PF CERAMIC CHIP 0.01MF	52 102 202 52	50V 25V 16V 50V 50V	CV101 1-141-4 CV102 1-141-4	<trimmer> 18-11 CAP, ADJ 18-11 CAP, ADJ</trimmer>		D289 D341 D342 D343 D344 D344	8-719-404-46 8-719-104-34 8-719-800-76	DIODE MA110 DIODE 152836 DIODE 155226			L106 L107 L112 L113 L114	1- 1- 1-
	C215 C216 C217 C218 C219		ELECT 10MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.15MF CERAMIC CHIP 0.001MF	20% 16V 20% 16V 50V 10% 25V 10% 50V	COOR 1 162 071 11	CERAMIC CHIP 0.01MF BLECT 10MF CERAMIC CHIP 0.047MF	207 107 207	50V 50V 50V 16V 25V 16V	D105 8-719-4 D106 8-719-4 D107 8-719-4	<pre><diode> 04-46 DIODE HAI10 04-46 DIODE HAI10 04-46 DIODE HAI10 04-46 DIODE HAI10</diode></pre>		D346 D347 D348 D349 D350	8-719-901-83 8-719-901-83 8-719-901-83 8-719-800-76 8-719-800-76 8-719-800-76	DIODE 1SS83 DIODE 1SS226 DIODE 1SS226 DIODE 1SS226			L115 L116 L117 L118 L250	1-, 1-, 1-,
	C220 C221 C222 C223 C225 C226	1-163-031-11 1-124-477-11	CERAMIC CHIP TOPF CERAMIC CHIP 0.01MF	202 50V 50V 50V 50V 202 16V	C303 1-126-157-11 C304 1-163-125-00 C305 1-124-257-00		20% 5% 20% 5% 5%	16V 50V 50V 50V 50V	D108 8-719-4 D109 8-719-4 D110 8-719-4 D111 8-719-4 D112 8-719-4	04-46 DIODE MAIIO		D390 D393 D1382	8-719-800-76 8-719-404-46 8-719-104-34	DIODE 1SS226 DIODE HAIIO DIODE 1S2836 AY LINE>			L251 L252 L300	1 1 1
	C227 C228 C229 C230 C231 C232	1-163-038-00 1-163-986-00 1-163-031-11 1-163-038-00 1-163-986-00	CERAMIC CHIP 0.1MF CERAMIC CHIP 0.027MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.027MF	10% 25V 50V 25V 10% 25V 10% 25V 50V	C308 1-164-004-1 C309 1-164-004-1 C310 1-164-004-1 C313 1-163-115-0 C314 1-126-157-1	CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF CERAMIC CHIP 82PF	10% 10% 10% 5% 20%	25V 25V 25V 50V 16V	D117 8-719-4 D120 8-719-4 D121 8-719-4 D122 8-719-4	04-46 DIODE MAIIO 04-46 DIODE MAIIO 04-46 DIODE MAIIO 04-46 DIODE MAIIO 04-46 DIODE MAIIO 04-46 DIODE MAIIO			<1C: 8-759-501-21	IC MM1149XF			Q101 Q102 Q103 Q104 Q106	8-' 8-'
	C233 C234 C235 C236	1-163-038-00 1-163-986-00 1-163-031-11	CERAMIC CHIP 0.01MF	50V 50V 25V 10% 25V 50V 50V	! r318 1-163-103-0	CERAMIC CHIP 0.22MF ELECT 10MF CERAMIC CHIP 0.01MF CERAMIC CHIP 27PF CERAMIC CHIP 27PF	10% 20% 5% 5%	25V 16V 50V 50V 50V	D125 8-719-4 D126 8-719-4 D127 8-719-4 D128 8-719-4	04-46 DIODE MAIIO 04-46 DIODE MAIIO 04-46 DIODE MAIIO 00-18 DIODE MAI52WX 04-46 DIODE MAI10		IC103 IC104 IC105 IC106	8-759-501-21 8-759-048-09 8-759-048-09 8-759-009-51	IC MM1149XF IC MM1148XF IC MM1148XF IC MC14538BF			Q107 Q108 Q109 Q112 Q113	8-' 8-'
	C237 C238 C239 C240 C241 C242	1-164-299-11 1-163-809-11 1-163-809-11 1-163-809-11	CERAMIC CHIP 0.22MF CERAMIC CHIP 0.047MF CERAMIC CHIP 0.047MF	10% 25V 10% 25V 10% 25V 10% 25V 5% 50V	! r324 1-163-121-0	CERAMIC CHIP 150PF CERAMIC CHIP 150PF CERAMIC CHIP 150PF CERAMIC CHIP 0.001MF	5% 5% 5% 5%	50V 50V 50V 50V	D131 8-719-8 D132 8-719-8 D133 8-719-4	100-76 D10DE 1SS226 100-76 D10DE 1SS226 100-76 D10DE 1SS226 104-46 D10DE MA110 104-46 D10DE MA110		1C110 1C111	8-759-509-57 8-759-509-17 8-759-509-37 8-759-509-17 8-759-509-17 8-759-924-12 8-759-631-08	IC XRU4053BF IC XRU4053BF IC LN7805CT			Q114 Q115 Q116 Q117 Q118	8- 8- 8-
	C243 C244 C245 C246 C247	1-163-031-11	CERAMIC CHIP 0.01MF CERAMIC CHIP 27PF CERAMIC CHIP 33PF	5% 50V 5% 50V 10% 25V 10% 25V	C1293 1-163-115-0	CERAMIC CHIP 33PF CERAMIC CHIP 33PF CERAMIC CHIP 33PF CERAMIC CHIP 33PF CERAMIC CHIP 82PF	0.25PF 51 51 51 51 51	50V 50V 50V 50V	D136 8-719-4 D137 8-719-4 D138 8-719-4	04-46 DIODE MAIIO 04-46 DIODE MAIIO 04-46 DIODE MAIIO 04-46 DIODE MAIIO 04-46 DIODE MAIIO 04-46 DIODE MAIIO		10114 10115 10116	8-759-509-13 8-759-509-13 8-759-509-05	IC XRU4052BF IC XRU4052BF IC XRU4066BF			0120 0121 0122 0123	8- 8- 8-
	C248 C249 C250 C251 C252	1-163-809-11 1-126-101-11 1-163-017-00 1-110-364-11 1-124-046-00	CERANIC CHIP 0.047MF ELECT 100MF CERANIC CHIP 0.0047MF MYLAR 0.1MF	101 25V 201 16V 101 50V 101 200V 201 160V	C1297 1-163-099-0 C1298 1-163-109-0	D CERAMIC CHIP 82PF D CERAMIC CHIP 39PF D CERAMIC CHIP 18PF D CERAMIC CHIP 47PF	57 57 57 57 57 57	50V 50V 50V 50V 50V	D145 8-719-4 D146 8-719-4 D147 8-719-4 D148 8-719-4	104-46 DIODE MA110 104-46 DIODE MA110 104-46 DIODE MA110 104-46 DIODE MA110 104-46 DIODE MA110		1C121 1C122 1C123	8-759-711-32 8-759-711-32 8-759-711-32 8-759-509-05 8-759-509-17 8-759-998-98 8-759-998-98	1C XRU4053BF 1C LM358D 1C LM358D			Q124 Q125 Q126 Q127 Q128	8-' 8-'
	C253 C254 C255 C255 C256 C257 C258	1-163-129-00	CERAMIC CHIP 0.01MF ELECT 47MF CERAMIC CHIP 330PF	20% 16V 50V 20% 16V 5% 50V 5% 50V 20% 50V 5% 50V	C1300 1-126-160-1 C1301 1-126-160-1 C1302 1-126-160-1	1 ELECT 1MF 1 ELECT 1MF	201 201 201 201	50V 50V 50V	D150 8-719-4 D151 8-719-4 D152 8-719-4 D153 8-719-9	104-46 DIODE MA110 104-46 DIODE MA110 104-46 DIODE MA110 104-46 DIODE MA110 177-20 DIODE DTZ8.2B		IC125 IC126 IC127 IC128	8-752-052-62 8-759-509-05 8-759-509-17 8-759-998-98 8-759-998-98	IC XRU4066BF IC XRU4053BF IC LM358D IC LM358D			Q130 Q131 Q132 Q133 Q134	8- 8- 8-
	C260 C261 C262 C263 C264	1-124-465-0 1-137-193-1 1-124-465-0 1-163-031-1 1-163-123-0	BLECT	20% 50V 50V 5% 50V	CFM101 1-464-880-1	1 F1LTER BLOCK, COM (CFB-2 Onnector>	2)		D155 8-719-4 D156 8-719-4 D157 8-719-9 D158 8-719-9	104-46 DIODE MA110 104-46 DIODE MA110 104-46 DIODE MA110 101-83 DIODE 1SS83 101-83 DIODE 1SS83 101-83 DIODE 1SS83		JR101	1-216-295-00	PER RESISTOR> METAL GLAZE 0 METAL GLAZE 0	5% 1/100 5% 1/100		Q135 Q136 Q137 Q138 Q139 Q140	8- 8-
	C265	1-163-129-0	CERAMIC CHIP 330PF	,5% 50V	, CMIUI 1-300-478-1	1 PIN, CONNECTOR 13P				_								

PVM-6041QM PVM-6041QM

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REF. NO. PART NO. DESCRIPTION REMARK | REF. NO. PART NO. REMARK REF.NO. PART NO. DESCRIPTION REMARK | REF. NO. PART NO. DESCRIPTION REMARK DESCRIPTION CNID2 *1-564-506-11 PLUG, CONNECTOR 3P CNID3 *1-565-503-11 CONNECTOR, 80ARD TO 80ARD 12P CNID4 *1-566-477-11 PLUG, CONNECTOR 12P CNID5 *1-564-509-11 PLUG, CONNECTOR 6P CNID7 *1-506-478-11 PLUG, CONNECTOR 13P 8-719-404-46 DIODE MA110 8-719-404-46 DIODE MA110 8-719-404-46 DIODE MA110 8-719-404-46 DIODE MA110 Q141 8-729-422-27 TRANSISTOR 2SD601A-Q Q142 8-729-422-27 TRANSISTOR 2SD601A-Q Q143 8-729-422-27 TRANSISTOR 2SD601A-Q JR132 1-216-295-00 METAL GLAZE 0 JR133 1-216-295-00 METAL GLAZE 0 JR178 1-216-295-00 METAL GLAZE 0 1/100 | Q144 | 8-729-422-27 | TRANSISTOR | 250601A-Q | Q145 | 8-729-422-27 | TRANSISTOR | 250601A-Q | Q146 | 8-729-255-12 | TRANSISTOR | 2502551-0 | Q147 | 8-729-255-12 | TRANSISTOR | 2502551-0 | Q148 | 8-729-216-22 | TRANSISTOR | 2502162-6 | C148 | C14 8-719-104-34 DIODE 1S2836 8-719-400-18 DIODE MAI52WK 8-719-800-76 DIODE 1SS226 8-719-800-76 DIODE 1SS226 8-719-104-34 DIODE 1S2836 <001L> <TRAP MODULE> D187 L101 1-410-470-11 INDUCTOR 10111 D188 D191 L102 1-410-090-41 INDUCTOR 18MMH
INDUCTOR CHIP 4.7UH
INDUCTOR CHIP 4.7UH CTR101 1-236-366-11 MODULE, TRAP CTR102 1-236-365-11 MODULE, TRAP 1-412-002-31 8-729-200-17 TRANSISTOR 2SA1091-0 8-729-422-27 TRANSISTOR 2SD601A-Q 8-729-216-22 TRANSISTOR 2SA1162-G 8-729-200-17 TRANSISTOR 2SA1091-0 8-729-422-27 TRANSISTOR 2SD601A-Q L104 8-719-404-46 DIODE MA110 8-719-404-46 DIODE MA110 8-719-404-46 DIODE MA110 8-719-104-34 DIODE ISS236 8-719-800-76 DIODE ISS226 1-412-002-31 INDUCTOR CHIP 4.7UH <TRIMMER> 1-410-470-11 INDUCTOR 10111 1-410-4(0-11 INDUCTOR 10UH 1-410-470-11 INDUCTOR 10UH 1-408-419-00 INDUCTOR 68UH 1-216-296-00 METAL GLAZE 0 5% 1-216-296-00 METAL GLAZE 0 5% CV101 1-141-418-11 CAP, ADJ CV102 1-141-418-11 CAP, ADJ 8-729-216-22 TRANSISTOR 2SA1162-G 8-729-200-17 TRANSISTOR 2SA1091-0 8-729-326-11 TRANSISTOR 2SC2611 8-719-105-XX DIODE RD6.2M-B1 8-719-901-83 DIODE ISS83 8-719-901-83 DIODE ISS83 1114 1-216-296-00 METAL GLAZE 0 5% 1-412-011-31 INDUCTOR CHIP 27UH 1-412-011-31 INDUCTOR CHIP 27UH 1-412-011-31 INDUCTOR CHIP 27UH 1-412-013-31 INDUCTOR CHIP 2.2UH 8-729-326-11 8-729-326-11 TRANSISTOR 2SC2611 <DIODE> 0347 0348 8-719-901-83 DIODE ISS83 8-719-800-76 DIODE ISS226 L116 L117 Q159 TRANSISTOR 2SC2611 8-719-404-46 DIODE MA110 8-719-404-46 DIODE MA110 8-729-422-27 TRANSISTOR 2SD601A-Q 8-729-216-22 TRANSISTOR 2SA1162-G 8-729-301-01 TRANSISTOR DTC144EX 8-729-216-22 TRANSISTOR 2SA1162-G 8-729-216-22 TRANSISTOR 2SA1162-G Q160 8-719-404-46 DIODE MAILO 8-719-404-46 DIODE MAILO 8-719-404-46 DIODE MAILO 8-719-800-76 DIODE 1SS226 8-719-800-76 DIODE 1SS226 8-719-800-76 DIODE 1SS226 L250 L251 L252 L300 1-410-999-11 INDUCTOR CHIP 3.3UH 1-410-478-11 INDUCTOR 47UH 1-410-482-31 INDUCTOR 100UH D393 8-719-404-46 D10DE MA110 D1382 8-719-104-34 D10DE IS2836 8-719-404-46 DIOOE MA110 8-719-404-46 DIOOE MA110 8-719-404-46 DIODE MA110 8-729-216-22 TRANSISTOR 25A1162-G 8-729-216-22 TRANSISTOR 25A1162-G 8-729-422-27 TRANSISTOR 25D601A-Q 8-729-422-27 TRANSISTOR 25D601A-Q 8-729-422-27 TRANSISTOR 25D601A-Q Q167 Q168 8-719-404-46 DIODE MAILO 8-719-404-46 DIODE MAILO <DELAY LINE> <TRANSISTOR> Q101 8-729-422-27 TRANSISTOR 2SD601A-Q DL101 1-415-632-11 DELAY LINE, Y 8-729-422-27 TRANSISTOR 2SD601A-Q 8-729-422-27 TRANSISTOR 2SD601A-Q 8-729-422-27 TRANSISTOR 2SD601A-Q 8-729-422-27 TRANSISTOR 2SD601A-Q 8-719-404-46 OIODE MA110 8-719-404-46 OIODE MA110 8-729-216-22 TRANSISTOR 2SA1162-G 8-729-216-22 TRANSISTOR 2SA1162-G 8-729-216-22 TRANSISTOR 2SA1162-G 8-729-216-22 TRANSISTOR 2SA1162-G 8-719-404-46 DIDOE MAIIO 8-719-404-46 DIDOE MAIIO 8-719-404-46 DIDDE MAIIO <10> 0104 IC102 8-759-501-21 IC MM1149XF 1C102 8-759-501-21 IC MM1149XF 1C104 8-759-501-21 IC MM1149XF 1C105 8-759-048-09 IC MM1148XF 1C106 8-759-009-51 IC MC145388F TRANSISTOR 2SD601A-Q 8-729-422-27 TRANSISTOR 2SD601A-Q 8-719-404-46 DIODE MA110 8-719-404-46 DIODE MA110 8-719-404-46 DIODE MA110 8-719-400-18 DIODE MA152WK 8-729-216-22 TRANSISTOR 2SD001A-Q 8-729-901-01 TRANSISTOR DTC144EK 8-729-422-27 TRANSISTOR 2SD601A-Q 8-729-422-27 TRANSISTOR 2SD601A-Q Q108 Q109 8-729-216-22 8-729-422-27 8-729-422-27 8-729-216-22 TRANSISTOR 2SA1162-G 8-719-800-76 DIODE 1SS226 TRANSISTOR 2SD601A-Q TRANSISTOR 2SD601A-Q TRANSISTOR 2SA1162-G 8-729-422-27 TRANSISTOR 2S0601A-Q 8-729-422-27 TRANSISTOR 2S0601A-Q 8-729-216-22 TRANSISTOR 2SA1162-6 8-729-422-27 TRANSISTOR 2S0601A-Q 8-729-216-22 TRANSISTOR 2SA1162-6 8-719-800-76 DIODE 1SS226 8-719-800-76 DIODE 1SS226 8-719-404-46 DIODE MAILO 0131 0132 0133 Q194 Q195 Q196 8-729-422-27 TRANSISTOR 2SD601A-Q Q118 1C112 8-759-924-12 IC LM7805CT 1C113 8-759-631-08 IC M51279FP 1C114 8-759-509-13 IC XRU4052BF 1C115 8-759-509-05 IC XRU4068F 8-719-404-46 010DE MA110 8-729-216-22 TRANSISTOR 2SA1162-G 8-729-216-22 TRANSISTOR 2SA1162-G 8-729-422-27 TRANSISTOR 2SD601A-Q 8-729-216-22 TRANSISTOR 2SD601A-Q 8-729-422-27 TRANSISTOR 2SD601A-Q Q119 0197 8-729-216-22 TRANSISTOR 2SA1162-G 8-729-216-22 TRANSISTOR 2SA1162-G 8-729-901-06 TRANSISTOR 0TA144EK 8-729-216-22 TRANSISTOR 2SA1162-G 8-729-216-22 TRANSISTOR 2SA1162-G 8-719-404-46 DIODE MA110 8-719-404-46 DIODE MA110 8-719-404-46 010DE MA110 8-719-404-46 D100E MA110 IC117 8-759-711-32 IC NJM2245M IC118 8-759-711-32 IC NJM2245M IC119 8-759-711-32 IC NJM2245M IC120 8-759-509-05 IC XRU4066BP IC121 8-759-509-17 IC XRU4053BF 8-729-216-22 8-729-422-27 8-729-901-01 TRANSISTOR 2SA1162-G 0124 Q125 Q126 TRANSISTOR 2SD601A-Q TRANSISTOR DTC144EK 0144 D145 8-719-404-46 0100E MA110 8-719-404-46 0100E MA110 8-729-216-22 TRANSISTOR 2SA1162-G 8-729-216-22 TRANSISTOR 2SA1162-G 8-729-216-22 TRANSISTOR 2SA1162-G 8-729-216-22 TRANSISTOR 2SA1162-G Q203 8-729-216-22 8-729-216-22 TRANSISTOR 2SA1162-G 8-719-404-46 010DE MA110 8-719-404-46 DIDDE MA110 TRANSISTOR 2SA1162-G 1C122 8-759-998-98 1C LM358D 1C123 8-759-998-98 1C LM358D 1C124 8-752-052-62 1C CXA1478S 1C125 8-759-509-05 1C XRU4066BF 8-729-901-01 8-729-216-22 8-729-422-27 8-729-216-22 8-729-422-27 TRANSISTOR DTC144EK TRANSISTOR 2SA1162-G TRANSISTOR 2SD601A-Q Q208 8-729-216-22 TRANSISTOR 2SA1162-G 8-719-404-46 DIODE MA110 8-719-404-46 DIODE MA110 0130 0131 D149 8-729-255-12 TRANSISTOR 2SC2551-0 8-729-255-12 TRANSISTOR 2SC2551-0 8-729-255-12 TRANSISTOR 2SC2551-0 8-729-109-44 TRANSISTOR 2SK94 0209 8-719-404-46 DIODE MA110 8-719-404-46 DIODE MA110 TRANSISTOR 2SA1162-G TRANSISTOR 2SD601A-Q IC126 8-759-509-17 IC XRU40538F 8-719-977-20 DIODE DT28.28 1C127 8-759-998-98 IC LM358D 1C128 8-759-998-98 IC LM358D 1C129 8-759-998-98 IC LM358D 8-729-901-01 TRANSISTOR OTC144 8-729-422-27 TRANSISTOR 2SD601 8-729-907-26 TRANSISTOR IMX1 8-729-907-26 TRANSISTOR IMX1 8-729-907-26 TRANSISTOR IMX1 TRANSISTOR OTC144EK 8-729-422-27 TRANSISTOR 2SD601A-Q 8-719-404-46 DIODE MAI10 8-719-404-46 DIODE MAI10 8-719-404-46 DIODE MAI10 8-719-901-83 DIODE ISS83 TRANSISTOR 2SD601A-Q 0136 0137 0138 D155 <RESISTOR> <JUMPER RESISTOR> 8-719-901-83 DIODE 1SS83 1-216-089-00 METAL GLAZE 47K 1-216-025-00 METAL GLAZE 100 1-216-091-00 METAL GLAZE 56K JR101 1-216-295-00 METAL GLAZE 0 JR105 1-216-295-00 METAL GLAZE 0 8-729-216-22 TRANSISTOR 2SA1162-G 8-729-422-27 TRANSISTOR 2SD601A-Q D159 8-719-901-83 D10DE 1SS83

EMARK



REF.NO.	PART NO.	DESCRIPTION				REMARK	REF. NO.	PART NO.	DESCRIPTION				REMARK
R104	1-216-061-00 1-216-025-00	METAL GLAZE METAL GLAZE	3.3K	57	1/10%		R185	1-216-073-00	HETAL GLAZE	10K	5%	1/10W	
R105 R106 R107 R108	1-216-065-00 1-216-025-00 1-216-113-00	METAL GLAZE METAL GLAZE METAL GLAZE	3.3K 100 4.7K 100 470K		1/10W 1/10W 1/10W 1/10W		R186 R187 R188 R189	1-216-113-00 1-216-073-00 1-216-113-00 1-216-103-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	470K 10K 470K 180K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
R109 R110 R111 R112 R113	1-216-065-00 1-216-049-00 1-216-063-00 1-216-049-00 1-249-401-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE CARBON	4.7K 1K 3.9K 1K 47	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/4W	F	R190 R191 R192 R193 R194	1-216-107-00 1-216-097-00 1-216-103-00 1-216-105-00 1-216-089-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	270K 100K 180K 220K 47K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R114 R115 R117 R118 R119	1-216-045-00 1-216-061-00 1-216-073-00 1-216-025-00 1-216-647-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL CHIP	680 3.3K 10K 100 680	5% 5% 5% 5% 0.50%	1/10W 1/10W 1/10W 1/10W 1/10W		R195 R196 R197 R198	1-216-113-00 1-216-073-00 1-216-671-11 1-216-049-00	HETAL GLAZE HETAL GLAZE HETAL CHIP HETAL GLAZE	470K 10K 6.8K 1K	5% 5% 0.50% 5% 5%	1/10W 1/10W 1/10W 1/10W	
R120	1-216-647-11 1-216-025-00	METAL CHIP METAL GLAZE	680	0.50%	1/10W		R199 R200	1-216-065-00 1-216-065-00	METAL GLAZE METAL GLAZE	4.7K 4.7K	57 57	1/10W 1/10W	
R121 R123 R124 R125	1-216-025-00 1-216-073-00 1-216-073-00 1-216-083-00	METAL GLAZE METAL GLAZE METAL GLAZE	100 10K 10K 27K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R201 R202 R203 R204	1-216-043-00 1-216-033-00 1-216-045-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	560 220 680 10K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
R126 R127	1-216-093-00 1-216-037-00	METAL GLAZE METAL GLAZE	68K 330 27K	5% 5%	1/10W 1/10W		R205	1-216-073-00 1-216-073-00	METAL GLAZE METAL GLAZE	IOK		1/10W	
R128 R129 R130	1-216-083-00 1-216-067-00 1-216-097-00	METAL GLAZE METAL GLAZE METAL GLAZE	5.6K 100K	5% 5% 5%	1/10W 1/10W 1/10W		R207 R208 R209 R209	1-216-043-00 1-216-045-00 1-216-671-11 1-216-043-00	METAL GLAZE METAL GLAZE METAL CHIP METAL GLAZE METAL GLAZE	560 680 6.8K 560 220	5% 5% 6.50% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R136 R137 R138 R139 R140	1-216-091-00 1-216-045-00 1-216-657-11 1-216-079-00 1-216-653-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL CHIP	56K 680 1.8K 18K 1.2K	5% 0.50% 5% 0.50%	1/10% 1/10% 1/10% 1/10%		R211 R212 R213	1-216-033-00 1-216-099-00 1-216-065-00 1-216-043-00	METAL GLAZE METAL GLAZE METAL GLAZE	120K 4.7K 560	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W	
R141 R142	1-216-063-00 1-216-073-00	METAL GLAZE NETAL GLAZE	3.9K	5% 5%	1/10W 1/10W		R214 R215	1-216-043-00 1-216-127-11	METAL GLAZE METAL GLAZE	560 1.8M	5%	1/10W 1/10W	
R143 R144 R145	1-216-073-00 1-216-085-00 1-216-089-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE	33K 47K 4.7K	5% 5% 5% 5%	1/10W 1/10W 1/10W		R216 R217 R218 R219 R220	1-216-043-00 1-216-033-00 1-216-295-00 1-216-043-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	560 220 0 560	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
R146 R148	1-216-037-00 1-216-671-11 1-216-655-11	METAL GLAZE METAL CHIP METAL CHIP	330 6.8K 1.5K	5% 0.50%	1/10W		R220	1-216-043-00	METAL GLAZE	560		1/10W	
R155 R157 R158	1-216-679-11 1-216-677-11	METAL CHIP	15K 12K		1/10W 1/10W 1/10W 1/10W		R222 R223 R224	1-216-033-00 1-216-073-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE	270 220 10K 10K	57 57 57 57 57	1/10W 1/10W 1/10W	
R160 R161 R163	1-216-065-00 1-216-089-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE	4.7K	5% 5%	1/10W 1/10W 1/10W		R225	1-216-095-00	METAL GLAZE METAL GLAZE	82K 10K		1/10W	
R164 R165 R166	1-216-677-11 1-216-107-00 1-216-681-11	METAL CHIP METAL GLAZE METAL CHIP	10K 12K 270K	0.50% 5%	1/10W 1/10W		R226 R227 R228 R229 R230	1-216-073-00 1-216-035-00 1-216-065-00 1-216-113-00 1-216-081-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	270 4.7K 470K 22K	57 57 57 57	1/10W 1/10W 1/10W 1/10W 1/10W	
R167 R168	1-216-635-11	METAL CHIP METAL GLAZE	220	0.50%	1/10W 1/10W 1/10W 1/10W 1/10W		1	1-216-113-00 1-216-105-00	NETAL GL'AZE	470K 220K		1/10₩	
R169 R170 R171	1-216-033-00 1-216-089-00 1-216-053-00	METAL GLAZE METAL GLAZE METAL GLAZE	180K 220 47K 1.5K		1/10W 1/10W		R231 R232 R233 R234 R235	1-216-105-00 1-216-073-00 1-216-041-00 1-216-041-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 470 470	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
R172 R173 R174	1-216-053-00 1-216-043-00 1-216-093-00 1-216-069-00 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE HETAL GLAZE	560 68K 6.8K 2.2K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W		1	1-216-077-00 1-216-025-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE	15K 100 4.7K	5% 5% 5% 5%	1/10W 1/10W 1/10W	
R175 R176		METAL GLAZE	A 78		1/10W		R239 R240	1-216-065-00 1-216-033-00	METAL GLAZE METAL GLAZE	4.7k 220	5% 5%	1/10W 1/10W	
R177 R178 R179 R180	1-216-065-00 1-216-073-00 1-216-089-00 1-216-081-00 1-216-679-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL CHIP	10K 47K 22K 15K	5% 5% 5% 5% 0.50%	1/10W 1/10W 1/10W 1/10W		R241 R242 R243 R244	1-216-073-00 1-216-051-00 1-216-113-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE	10K 1.2K 470K 4.7K 15K	57 57 57 57	1/10W 1/10W 1/10W 1/10W	
R181 R182	1-216-071-00 1-216-683-11	METAL GLAZE METAL CHIP	8.2K 22K	57	1/10W 1/10W 1/10W		R245	1-216-679-11	METAL GLAZE METAL CHIP		0.50%	1/10W	
R182 R183 R184	1-216-691-11 1-216-699-11	METAL CHIP	47K	0.50% 0.50%	1/10W 1/10W		R246 R247	1-216-103-00 1-216 -0 93-00	METAL GLAZE METAL GLAZE	180K 68K	5% 5%	1/10W 1/10W	



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	REF. NO.	PART NO.	DESCRIPTION				REMARK	REF, NO.	PART NO.	DESCRIPTION				REMARK
	R248 R249 R250 R251 R252	1-216-095-00 1-216-109-00 1-216-101-00 1-216-105-00 1-216-101-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	82K 330K 150K 220K 150K	57 57 57 57 57	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W		R319 R320 R321 R325 R326	1-216-099-00 1-216-099-00 1-216-043-00 1-216-097-00 1-216-113-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	120K 120K 560 100K 470K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
	R253 R254 R255 R256 R258	1-216-101-00 1-216-033-00 1-216-061-00 1-216-107-00 1-216-041-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	150K 220 3.3K 270K 470	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R328 R329 R330 R331 R332	1-216-073-00 1-216-107-00 1-216-105-00 1-216-025-00 1-216-097-00	METAL GLAZE METAL GLAZE METAL GLAZE HETAL GLAZE METAL GLAZE	10K 270K 220K 100 100K	51 51 51 51 51 51 51	1/10W 1/10W 1/10W 1/10W	
	R259 R260 R261 R262 R263	1-216-073-00 1-216-025-00 1-216-035-00 1-216-097-00 1-216-029-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 100 270 100K 150	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R333 R334 R335 R336 R338	1-216-097-00 1-216-025-00 1-216-099-00 1-216-095-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100K 100 120K 82K 100	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	
	R264 R265 R266 R267 R268	1-216-065-00 1-216-067-00 1-216-073-00 1-216-073-00 1-216-081-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 5.6K 10K 10K 22K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R339 R340 R342 R343 R344	1-216-099-00 1-216-095-00 1-216-047-00 1-216-053-00 1-216-664-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL CHIP	120K 82K 820 1.5K 3.6K	5% 5% 5% 0.50% 0.50%	1/10W 1/10W 1/10W	
	R269 R270 R271 R272 R273	1-216-103-00 1-216-081-00 1-216-025-00 1-216-103-00 1-216-113-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	180K 22K 100 180K 470K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R345 R346 R348 R349 R350	1-216-661-11 1-216-105-00 1-216-061-00 1-216-650-11 1-216-653-11	METAL CHIP METAL GLAZE METAL CHIP METAL CHIP METAL CHIP	2.7X 220X 3.3K 910 1.2X	0.50% 5% 0.50% 0.50% 0.50%	1/10W	
	R275 R276 R277 R278 R280	1-216-081-00 1-216-037-00 1-216-049-00 1-216-059-00 1-216-061-00	METAL GLAZE METAL GLAZE HETAL GLAZE HETAL GLAZE HETAL GLAZE	22K 330 1K 2.7K 3.3K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R351 R352 R353 R354 R355	1-216-650-11 1-216-653-11 1-216-650-11 1-216-653-11 1-216-113-00	METAL CHIP METAL CHIP METAL CHIP METAL CHIP METAL GLAZE	910 1.2K 910 1.2K 470K	0.50% 0.50% 0.50% 0.50% 5%	1/10W	
	R281 R282 R283 R284 R286	1-216-061-00 1-216-037-00 1-216-049-00 1-216-059-00 1-216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	3.3K 330 1K 2.7K 3.3K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R356 R357 R358 R359 R360	1-216-113-00 1-216-095-00 1-216-113-00 1-216-081-00 1-216-089-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	470K 82K 470K 22K 47K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
	R287 R288 R289 R290 R292	1-216-061-00 1-216-037-00 1-216-049-00 1-216-059-00 1-216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	3.3K 330 1K 2.7K 3.3K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R363 R364 R365 R366 R367	1-216-069-00 1-216-073-00 1-216-073-00 1-216-244-00 1-216-244-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 10K 10K 82K 82K	5% 5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/8W 1/8W	
	R293 R295 R296 R297 R298	1-216-061-00 1-216-057-00 1-216-659-11 1-216-659-11 1-216-065-00	METAL GLAZE METAL GLAZE METAL CHIP METAL CHIP METAL GLAZE	3.3K 2.2K 2.2K 2.2K 4.7K	5% 0.50% 0.50% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R368 R369 R370 R371 R372	1-216-055-00 1-216-248-00 1-216-115-00 1-216-067-00 1-216-115-00 1-216-115-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1.8K 120K 560K 5.6K 560K	5% 5% 5% 5% 5%	1/10W 1/8W 1/10W 1/10W 1/10W	
	R300 R301 R302 R303 R304	1-216-065-00 1-216-065-00 1-216-113-00 1-216-065-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 4.7K 470K 4.7K 1.K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R374 R375 R376 R378 R379	1-216-115-00 1-216-683-11 1-216-663-11 1-216-025-00 1-216-641-11	METAL GLAZE METAL CHIP METAL CHIP METAL GLAZE METAL CHIP	560K 22K 3.3K 100 390	0.50% 0.50% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
	R305 R306 R307 R308 R309	1-216-049-00 1-216-089-00 1-216-033-00 1-216-089-00 1-216-089-00	METAL GLAZE	1K 47K 220 47K 47K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R380 R381 R382 R383 R384	1-216-668-11 1-216-689-00 1-216-025-00 1-216-641-11 1-216-668-11 1-216-117-00	METAL CHIP METAL GLAZE METAL GLAZE	5.1K 47K 100 390 5.1K	0.50%	1/10W 1/10W 1/10W 1/10W 1/10W	
	R310 R311 R312 R313 R314	1-216-033-00 1-216-089-00 1-216-089-00 1-216-033-00 1-216-089-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 47K 47K 220 47K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R385 R386 R387 R388	1-216-025-00 1-216-641-11 1-216-668-11	METAL GLAZE METAL CHIP METAL CHIP	680K 100 390 5.1K 47K	5% 0.50% 0.50%	1/10W 1/10W 1/10W	
	R315 R316 R317 R318	1-216-113-00 1-216-105-00 1-216-109-00 1-216-105-00	METAL GLAZE	470K 220K 330K 220K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R389 R390 R391 R392	1-216-089-00 1-216-105-00 1-216-081-00 1-216-113-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220K 22K 470K	5% 5% 5%	1/100 1/100 1/100 1/100	



EF.NO.	PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
R393 R394	1-216-085-00 1-216-121-00	METAL GLAZE	33K	57	1/10W 1/10W		R1070	1-216-085-00	METAL GLAZE	33K	5%	1/10¥	
R397 R398 R399	1-249-437-11 1-249-434-11 1-216-073-00	CARBON CARBON METAL GLAZE	47K 27K 10K	5%	1/4W 1/4W 1/10W	F	R1071 R1072 R1073 R1075	1-216-113-00 1-216-099-00 1-216-131-11 1-216-065-00 1-216-101-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	470K 120K 2.7H 4.7K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	* **
R1001 R1002 R1003	1-216-073-00 1-216-047-00	METAL GLAZE METAL GLAZE METAL GLAZE	10K 820 1.8K	5% 5% 5% 5%	1/10W 1/10W 1/10W		R1076		METAL GLAZE METAL GLAZE	150K		1/10W	
R1004 R1005 R1006	1-216-055-00 1-216-061-00 1-216-047-00	METAL GLAZE METAL GLAZE	3.3K 820		1/10W 1/10W 1/10W		R1078 R1079 R1080 B1081	1-216-103-00 1-216-085-00 1-216-073-00 1-216-097-00 1-216-097-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	33K 10K 100K 100K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
R1007 R1008 R1009 R1010	1-216-055-00 1-216-061-00 1-216-047-00 1-216-055-00 1-216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1.8K 3.3K 820 1.8K 3.3K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R1083 R1084 R1088	1-216-065-00 1-216-063-00	METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 3.9K 820	57 57 57 57 57	1/10W 1/10W 1/10W	
R1011	1-216-033-00 1-216-051-00	METAL GLAZE	220		1/10W		R1090 R1091	1-216-047-00 1-216-045-00 1-216-045-00	METAL GLAZE METAL GLAZE	680 680	5%	1/10W 1/10W	
R1012 R1013 R1014 R1015	1-216-051-00 1-216-051-00 1-216-246-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1.2K 1.2F 100K 220	5%	1/10W 1/10W 1/8W 1/10W		R1092 R1093 R1094 R1095	1-216-045-00 1-216-121-00 1-216-075-00 1-216-075-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	680 1M 12K 12K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	35
R1016 R1017	1-216-089-00 1-216-045-00	METAL GLAZE METAL GLAZE	47K 680	5% 5% 5%	1/10W 1/10W		R1096	1-216-075-00	METAL GLAZE	12K 100K		1/100	
R1018 R1019 R1020	1-216-043-00 1-216-033-00 1-216-089-00	METAL GLAZE METAL GLAZE METAL GLAZE	560 220 47K	5%	1/10W 1/10W 1/10W		R1200 R1201 R1207 R1208	1-216-699-11 1-218-754-11 1-216-061-00 1-216-065-00	METAL CHIP METAL CHIP METAL GLAZE METAL GLAZE	120K 3.3K 4.7K 2.7K	0.50% 0.50% 5% 5% 5%	1/10₩ 1/10₩	
R1021 R1022 R1023 R1024 R1025	1-216-045-00 1-216-025-00 1-216-073-00 1-216-025-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	680 100 10K 100 220	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R1220 R1221 R1222 R1223	1-216-059-00 1-216-059-00 1-216-059-00 1-216-689-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	2.7K 2.7K 39K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	e
R1026	1-216-061-00	METAL GLAZE	3 37		1/10W		R1225 R1226	1-215-876-00 1-215-876-00	METAL OXIDE	15K 15K	5% 5%	19	F
R1027 R1028 R1029 R1031	1-216-101-00 1-216-033-00 1-216-061-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	150K 220 3.3K 220	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R1227 R1228 R1229 R1230	1-215-876-00 1-249-421-11 1-249-421-11 1-249-421-11	METAL OXIDE CARBON CARBON CARBON	15K 2.2K 2.2K 2.2K 2.2K	5% 5% 5% 5%	1/4₩	F F
R1032 R1033	1-216-061-00 1-216-081-00	METAL GLAZE	3.3K 22K	5% 5%	1/10W 1/10W		R1231	1-216-031-00	METAL GLAZE	180	- ·	1\10A	
1 -	1-216-089-00 1-216-073-00 1-216-089-00	METAL GLAZE METAL GLAZE METAL GLAZE	47K 10K 47K	5% 5%	1/10W 1/10W 1/10W		R1232 R1233 R1234 R1235	1-216-031-00 1-216-031-00 1-216-031-00 1-216-031-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	180 180 180 180	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
R1049	1-216-081-00 1-216-025-00 1-216-047-00	METAL GLAZE METAL GLAZE METAL GLAZE	22K 100 820	5% 5% 5% 5%	1/10W 1/10W 1/10W		R1236 B1237	1-216-031-00	METAL GLAZE CARBON	180 1.5K		1/109	F
1043	1-216-047-00 1-216-057-00 1-216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE	820 2.2K 3.3K		1/10W		R1238 R1239 R1270	1-249-419-11 1-249-419-11 1-216-079-00	CARBON CARBON METAL GLAZE	1.5K 1.5K 18K	5% 5% 5%	1/49	F
1045	1-216-125-00 1-216-689-11 1-216-065-00	METAL GLAZE METAL CHIP	1.5M 39K	5% 0.50%	1/10W 1/10W 1/10W		R1280	1-216-109-00	METAL GLAZE	330K 8, 2K	5%	1/10%	
241	1-216-049-00 1-216-085-00	METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 1K 33K	5% 5% 5%	1/10W 1/10W 1/10W		R1291 R1294 R1295 R1296	1-216-071-00 1-216-081-00 1-216-069-00 1-216-109-00 1-216-095-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE NETAL GLAZE	22K 6.8K 330K 82K	57 57 57 57	1/10W 1/10W 1/10W 1/10W 1/10W	
R1050 R1051 R1058	1-216-059-00 1-216-105-00 1-216-109-00 1-216-109-00	METAL GLAZE HETAL GLAZE	220K	5% 5% 5% 5%	1/10W 1/10W		R1297	1-216-077-00	METAL, GLAZE	15K 15K		1/10W 1/10W	
	1-216-109-00	METAL GLAZE METAL GLAZE	330K 330K		1/10W		R1298 R1299 R1300	1-216-077-00 1-216-075-00 1-216-089-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE	12K 47K	5% 5% 5% 5%	1/10W	
1061 1062 1063	1-216-109-00 1-216-103-00 1-216-103-00	METAL GLAZE METAL GLAZE METAL GLAZE	330K 180K 180K	57 57 57 57 57	1/10W 1/10W 1/10W		R1301 R1302		METAL GLAZE	4.7K		1/10W	
1064	1-216-103-00 1-216-103-00 1-216-103-00	METAL GLAZE METAL GLAZE	180K 180K	5% 5%	1/10W 1/10W		R1303 R1304 R1305	1-216-113-00 1-216-113-00 1-216-093-00 1-216-686-11	METAL GLAZE METAL GLAZE METAL CHIP	470K 68K 30K	5% 5% 0.50%	1/10W 1/10W	
1067	1-216-073-00 1-216-073-00	METAL GLAZE METAL GLAZE	10K 10K	5% 5% 5%	1/10W 1/10W		R1306	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W	
(1068 (1069	1-216-049-00 1-216-133-00	METAL GLAZE NETAL GLAZE	1K 3.3M	57 57	1/10W 1/10W		R1307 R1308	1-216-041-00 1-216-041-00	METAL GLAZE NETAL GLAZE	470 470	5% 5%	1/10W 1/10W	





REF. NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMAR	K
R1310	1-216-063-00 1-216-119-00 1-216-101-00 1-216-053-00 1-216-077-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	3.9K 5% 820K 5% 150K 5% 1.5K 5% 15K 5%	1/10% 1/10% 1/10% 1/10% 1/10%		RV114 RV115 RV116 RV118 RV119	1-238-019-11 1-241-631-11 1-241-631-11 1-241-631-11	RES, ADJ, CA	RBON 22K			
R1320 R1321 R1322 R1323 R1324	1-216-083-00 1-216-093-00 1-216-037-00 1-216-057-00 1-216-121-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	27X 5X 68K 5X 330 5X 2.2X 5X 1N 5X	1/10W 1/10W 1/10W 1/10W 1/10W		RV120 RV121 RV122 RV123 RV124	1-241-631-11 1-241-631-11 1-241-631-11 1-241-631-11 1-241-628-11 1-241-627-11	RES, ADJ, CA RES, ADJ, CA RES, ADJ, CA RES, ADJ, CA RES, ADJ, CA	RBON 22K		704 X	
R1325 R1326 R1327 R1328 R1329	1-216-085-00 1-216-065-00 1-216-099-00 1-216-099-00 1-216-093-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	33X 5X 4.7K 5X 120X 5X 120K 5X 68X 5X	1/10W 1/10W 1/10W 1/10W 1/10W		RV125 RV205	1-241-628-11 1-241-627-11 1-241-627-11 1-241-631-11		RBON 1K RBON 22K			
R1330 R1331 R1332 R1333 R1334	1-216-063-00 1-216-051-00 1-216-057-00 1-216-057-00 1-216-055-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	3.9K 5% 1.2K 5% 2.2K 5% 2.2K 5% 1.8K 5%	1/10W 1/10W 1/10W 1/10W 1/10W		SEP101		STAL>	CRVSTA1			
R1335 R1336 R1337 R1338 R1339	1-216-035-00 1-216-089-00 1-216-113-00 1-216-049-00 1-216-097-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	270 5% 47% 5% 470K 5% 1K 5% 100K 5%	1/10W 1/10W 1/10W 1/10W 1/10W		X102	1-527-722-00 1-577-259-11 *A-1346-067-A		PLETE	*****		**
R1340 R1341 R1342 R1343 R1344	1-216-097-00 1-216-111-00 1-216-694-11 1-216-121-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL CHIP METAL GLAZE METAL GLAZE	100K 5% 390K 5% 62K 0.50 1N 5% 10K 5%	1/10W 1/10W 1/10W 1/10W 1/10W			*3-738-015-01 4-382-854-01			/R		
R1345 R1346 R1347 B1348 R1349	1-216-055-06 1-216-047-00 1-216-073-00 1-216-073-00 1-216-073-00	METAL GLAZE HETAL GLAZE HETAL GLAZE METAL GLAZE HETAL GLAZE	1.8K 5% 820 5% 10K 5% 10K 5% 10K 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C501 C502 C503 C504 C505	1-124-477-11 1-124-907-11 1-126-103-11 1-124-902-00 1-106-381-12	ELECT ELECT ELECT ELECT	47MF 10MF 470MF 0.47MF 0.039MF	201 201 201 201 201 101	16V 50V 16V 50V 100V	
R1350 R1351 R1352 R1353 R1371	1-216-073-00 1-216-073-00 1-216-073-00 1-216-115-00 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 5% 10K 5% 10K 5% 560K 5% 2.2K 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C506 C507 C508 C509 C510	1-124-903-11 1-106-367-00 1-124-903-11 1-136-173-00 1-136-161-00	ELECT HYLAR ELECT FILH FILH	1KF 0.01MF 1MF 0.47MF 0.047MF	207 107 207 57	50V 100V 50V 50V	
R1372 R1373 R1380 R1381 R1382	1-216-057-00 1-216-057-00 1-216-073-00 1-216-073-00 1-216-093-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	2.2K 5% 2.2K 5% 10K 5% 10K 5% 68K 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C511 C512 C513 C514 C515	1-124-903-11 1-106-375-12 1-106-375-12 1-106-371-00 1-124-925-11	ELECT MYLAR MYLAR MYLAR ELECT	1MF 0.022MF 0.022MF 0.015MF 2.2MF	20% 10% 10% 10% 20%	50V 100V 100V 100V 50V	
R1383 R1392 R1393		METAL GLAZE HETAL GLAZE HETAL GLAZE 1ABLE RESISTOR	56K 5X 47K 5X 330K 5X	1/10W 1/10W 1/10W		C516 C517 C518 C519 C520	1-124-925-11 1-130-480-00 1-163-245-11 1-124-927-11 1-163-129-00	ELECT FILM CERAMIC CHIP ELECT CERAMIC CHIP	4.7MF	20% 5% 5% 20% 5%	50V 50V 50V 50V 50V	
RV101 RV102 RV103 RV104 RV105	1-241-763-11 1-241-763-11 1-238-009-11 1-238-009-11 1-241-627-11	RES, ADJ, CER RES, ADJ, CER RES, ADJ, CAR RES, ADJ, CAR RES, ADJ, CAR	HET 4.7K HET 4.7K BON 220 BON 220 BON 1K			C521 C523 C524 C525 C526	1-124-907-11 1-106-363-00 1-102-116-00 1-102-820-00 1-102-973-00	ELECT MYLAR CERAMIC CERAMIC CERAMIC	10MF 0.0068MF 680PF 330PF 100PF	20% 10% 10% 5%	50V 100V 50V 50V 50V	
RV106 RV107 RV108 RV109 RV110	1-241-627-11 1-241-627-11 1-241-630-11 1-241-765-11 1-241-630-11	RES, ADJ, CAR RES, ADJ, CAR RES, ADJ, CAR RES, ADJ, CER RES, ADJ, CAR	BON 1K BON 1K BON 1OK HET 22K BON 1OK			C527 C528 C529 C530 C531	1-124-514-11 1-102-125-00 1-124-513-11 1-163-097-00 1-131-370-00	ELECT CERAMIC ELECT GERANIC CHIP TANTALUN	100HF 0.0047HF 47MF 15PF 6.8HF	20% 10% 20% 5% 10%	50V 50V 50V 50V 16V	j.co
RV111 RV112 RV113	1-238-019-11	RES, ADJ, CAR RES, ADJ, CAR RES, ADJ, CAR	BON 10K BON 47K			C532 C533 C534	1-124-557-11 1-124-927-11 1-124-768-11	ELECT ELECT ELECT	1000MF 4.7MF 4.7MF	20% 20% 20%	25V 50V 50V	

The components identified by ahading and mark Δ are critical for safety. Replace only with part number specified.

Les composants identifies par une trame et une marque 🐧 sont critiques pour la securita. Ne les remplacer que par une piece portant le numero specifie.

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REF.NO. PART NO.	DESCRIPTION		REMARK	REF. NO. PART NO. DESCRIPTION REMARK
C535 1-136-161-00 C536 1-124-927-11 C537 1-124-510-11 C538 1-124-910-11 C539 1-136-828-11	ELECT 220MF	5% 20% 20% 20% 5%	50V 50V 35V 50V 200V	CN501 *1-564-506-11 PLUG, CONNECTOR 3P CN502 1-506-477-11 PIN, CONNECTOR 12P
C540 1-163-017-00 C541 1-163-035-00 C542 1-126-103-11 C545 1-126-101-11 C546 1-124-907-11	CERAMIC CHIP 0.0047MF CERAMIC CHIP 0.047MF BLECT 470MF BLECT 100MF BLECT 10MF	10% 20% 20% 20%	50V 50V 16V 16V 50V	CNSG4 +1-564-507-11 PLUG, CONNECTOR 4P CNSG5 +1-564-509-11 PLUG, CONNECTOR 6P CNSG7 +1-564-507-11 PLUG, CONNECTOR (83P-VB) 3P CNSG9 +1-564-104-00 PIN, CONNECTOR (83P-VB) 3P CNSG9 +1-564-506-11 PLUG, CONNECTOR (83P-VB) 3P
C547 1-124-907-11 C548 1-124-907-11 C549 1-124-907-11 C550 1-124-907-11 C551 1-124-927-11	ELECT 10MF ELECT 10MF ELECT 10MF ELECT 10MF ELECT 4.7MF	20% 20% 20% 20% 20% 20%	50V 50V 50V 50V 50V	<pre><diode> D501 8-719-404-46 DIODE MAILO D502 8-719-404-45 DIODE MAILO</diode></pre>
C552 1-101-004-00 C553 1-126-103-11 C563 1-106-383-00 C564 1-163-009-11 C567 1-123-875-11	CERANIC 0.01MF ELECT 470MF MYLAR 0.047MF CERANIC CHIP 0.001MF ELECT 10MF	20% 10% 10% 20%	50V 16V 100V 50V 50V	D504 8-719-404-46 D10DE MA110 D506 8-719-908-03 D10DE GF08D D507 8-719-404-46 D10DE MA110 D508 8-739-404-46 D10DE MA110
C568 1-130-736-11 C569 1-130-471-00 C570 1-163-117-00 C571 1-124-913-11 C572 1-101-004-00	FILM 0.01MF FILM 0.001MF CERAMIC CHIP 100PF ELECT 470MF CERAMIC 0.01MF	5% 5% 5% 20%	50¥ 50¥ 50¥ 50¥ 50¥	D512 8-719-404-46 D10DE MA110 D514 8-719-404-46 D10DE MA110 D520 8-719-800-76 D10DE MA120 D521 8-719-800-76 D10DE ISS226 D521 8-719-800-76 D521 8-719-800-76 D521 8-719-800-76 D521 8-
C574 1-106-351-00 C575 1-106-351-00 C831 1-123-875-11 C832 1-123-875-11 C833 1-163-009-11	MYLAR 0.0022MF MYLAR 0.0022MF ELECT 10MF ELECT 10MF CEBANIC CHIP 0.001MF	10% 10% 20% 20% 10%	100V 100V 50V 50V 50V	D831 8-719-404-46 B10DE MAILO D832 8-719-404-46 B10DE MAILO D833 8-719-404-46 D10DE MAILO D834 8-719-404-46 D10DE MAILO
C834 1-163-121-00 C835 1-163-209-00 C836 1-123-875-11 C837 1-163-209-00 C838 1-136-163-00	CERAMIC CHIP 150PF CERAMIC CHIP 0.0015MF ELECT IOMF CERAMIC CHIP 0.0015MF FILM 0.068MF	57 57 207 57 57	50V 50V 50V 50V 50V	0835 8-719-109-89 D100E RD5.66S-82 0836 8-719-977-69 D100E RD5.66S-82 0848 8-719-800-76 D100E 1SS226-015601 8-719-105-XX D100E RD6.29-81 0848 8-719-800-76 D100E 1SS226-015601 8-719-105-XX D100E RD6.29-81 0848 8-719-977-61 D100E D7220E 0849 8-719-977-61 D100E 0849 8-7
C839 1-102-122-00 C840 1-163-209-00 C841 1-163-209-00 C843 1-124-042-51 C844 1-124-902-00	CERAMIC 0.0027MF CERAMIC CHIP 0.0015MF CERAMIC CHIP 0.0015MF BLECT 0.47MF BLECT 0.47MF	10% 5% 5% 20% 20%	50V 50V 50V 50V 50V	D1506 8-719-981-00 D1006 ERC81-004 D1507 8-719-981-00 D1006 ERC81-004 D1508 8-719-77-02 D1006 D725.58 D1509 8-719-977-03 D1006 D725.58 D1500 8-719-977-04 D1006 D725.58
C845 1-124-126-00 C846 1-124-907-11 C847 1-126-233-11 C848 1-131-351-00 C849 1-164-182-11	ELECT 47MF ELECT 10MF ELECT 22MF TANTALUM 4.7MF CERANIC CHIP 0.0033MF	20% 20% 20% 10% 10%	10V 50V 50V 35V 50V	01611 8-729-101-31 TRANSISTOR WINTI 01612 8-110-404-46 DIOSE MAILU 01615 8-710-407-46 DIOSE MAILU 01617 8-710-407-40 DIOSE 07715B 01618 8-719-977-49 DIOSE 07715B
C1601 1-124-907-11 C1602 1-164-161-11 C1603 1-104-348-11 C1604 1-128-500-51 C1605 1-124-922-11	BLECT 10NF CERAMIC CHIP 0.0022MF BLECT 15NF BLECT 1000MF BLECT 1000MF	20% 10% 20% 20% 20% 20%	50V 50V 50V 50V 50V	D1500 8-719-400-18 D10DE M1528K D1622 8-719-400-18 D10DE M1528K D1623 8-719-400-18 D10DE M1528K D1626 8-719-400-18 D10DE M110 D1627 8-719-404-45 D10DE M110
C1606 1-163-009-11 C1607 1-124-907-11 C1608 1-124-916-11 C1609 1-163-009-11 C1610 1-126-163-11	CERAMIC CHIP 0.001MF BLECT 10MF BLECT 22MF CERAMIC CHIP 0.001MF BLECT 4.7MF	101 201 201 201 101 201	50Y 50Y 50Y 50Y 50Y	D1628 8-719-404-46 D1008 MA110 D1639 8-719-404-46 D1008 MA110 D1699 8-719-404-46 D1008 MA110
C1611 1-124-482-11 C1612 1-136-257-00 C1613 1-163-009-11 C1614 1-164-232-11 C1615 1-124-042-51	ELECT 33MP FILM 0.0039MF CERAMIC CHIP 0.001MF CERAMIC CHIP 0.01MF ELECT 0.47MF	20% 5% 10% 10% 20%	35¥ 50¥ 50¥ 50¥	FISHLET-552-18-01-19-01-
C1620 1-163-133-00 C1621 1-163-117-00 C1641 1-163-035-00	CERAMIC CHIP 470PF CERAMIC CHIP 100PF CERAMIC CHIP 0.047MF	5% 5%	50V 50V 50V	



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	REF. NO.	PART NO.	DESCRIPTION	4	REMARK		PART NO.	DESCRIPTION				REMARK
	1C501 1C502 1C503 1C504 1C505	8-759-909-70 8-759-100-60 8-759-801-98 8-759-701-79 8-759-009-51				Q1616 Q1617 Q1618	8-729-216-22 8-729-216-22 8-729-216-22	TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25	A1162-0 A1162-0 A1162-0			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	101601	8-759-509-29 8-759-509-37 8-759-009-51 8-759-509-91	IC XRU4011BF IC XRU4070BF IC XC14558BF IC XRAI0393F			R503	RES 1-216-089-00 1-216-089-00 1-249-437-11 1-216-073-00	METAL GLAZE	47K 47K 47K 10K	5% 5% 5%	1/10W 1/10W 1/4W F	# 2 • 1
		<jum< td=""><td>PER RESISTOR></td><td></td><td></td><td>R505</td><td>1-249-393-11</td><td>CARBUN</td><td></td><td></td><td></td><td></td></jum<>	PER RESISTOR>			R505	1-249-393-11	CARBUN				
	JR510	1-216-295-00 <001	METAL GLAZE 0 5% 1 L>	/10W		R506 R507 R508 R509 R510	1-216-071-00 1-216-059-00 1-216-085-00 1-216-687-11 1-216-683-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL CEIP METAL CHIP	8. 2X 2. 7X 33K 33K 22X	5% 5% 5% 0.50% 0.50%	1/10W 1/10W 1/10W 1/10W 1/10W	1971 127 24.11
	L501 L502 L503 L506 L1601	1-410-093-11 1-410-665-31 1-424-625-11 1-412-530-31 1-459-155-00	INDUCTOR 33MME INDUCTOR 15UH COIL, CHOKE (PMC) 390UH INDUCTOR 27UH COIL (WITH CORE) 47UH			R511 R512 R513 R514 R515	1-216-675-11 1-218-761-11 1-216-065-00 1-218-754-11 1-216-081-00	METAL CHIP METAL CHIP METAL GLAZE METAL CHIP METAL GLAZE	10K 240K 4.7K 120K 22K	0.50% 0.50% 5% 0.50%	1/10W	
	L1602 L1603	1-402-785-11 1-410-397-21 <tra< td=""><td>COIL, CHOKE 600UH FERRITE BEAD INDUCTOR NSISTOR></td><td></td><td></td><td>R516 R517 R518 R519 R520</td><td>1-216-073-00 1-218-768-11 1-249-422-11 1-216-085-00 1-216-677-11</td><td>METAL GLAZE HETAL CHIP CARBON METAL GLAZE METAL CHIP</td><td>10K 470K 2.7K 33K 12K</td><td>51 0.501 51 51 0.502</td><td>1/10W 1/10W 1/4W 1/10W 1/10W</td><td></td></tra<>	COIL, CHOKE 600UH FERRITE BEAD INDUCTOR NSISTOR>			R516 R517 R518 R519 R520	1-216-073-00 1-218-768-11 1-249-422-11 1-216-085-00 1-216-677-11	METAL GLAZE HETAL CHIP CARBON METAL GLAZE METAL CHIP	10K 470K 2.7K 33K 12K	51 0.501 51 51 0.502	1/10W 1/10W 1/4W 1/10W 1/10W	
	9501 9502 9503 9504 9505	8-729-901-01 8-729-901-01 8-729-901-06 8-729-901-01 8-729-422-27	TRANSISTOR DTC144EK TRANSISTOR DTC144EK TRANSISTOR DTA144EK TRANSISTOR DTC144EK TRANSISTOR ZSD601A-Q			R521 R522 R523 R524	1-216-067-00 1-216-107-00 1-216-081-00 1-216-049-00 1-216-434-11	METAL GLAZE METAL GLAZE	5.4		1/10W 1/10W 1/10W 1/10W 1/10W	
	9508 9509 9510 9512 9513	8-729-422-27 8-729-422-27 8-729-901-06 8-729-422-27 8-729-216-22	TRANSISTOR 2SD601A-Q TRANSISTOR 2SD601A-Q TRANSISTOR DTA144EK TRANSISTOR 2SD601A-Q TRANSISTOR 2SD601A-Q			R526 R527 R528 R529	1-216-079-00 1-249-437-11 1-216-073-00 1-216-073-00 1-216-089-00	METAL GLAZE CARBON METAL GLAZE METAL GLAZE		5% 5%	1/10W 1/4W 1 1/10W 1/10W 1/10W	
	9515 9518 9519 9532 9569	8-729-313-42 8-729-422-27 8-729-422-27 8-729-422-27 8-729-907-26	TRANSISTOR 25D1134-C TRANSISTOR 25D601A-Q TRANSISTOR 25D601A-Q TRANSISTOR 25D601A-Q TRANSISTOR IMX1			R531 R532 R533 R534	1-216-089-00 1-216-097-00 1-216-089-00 1-216-097-00 1-216-053-00			5% 5% 5% 5%		
	Q576 Q579 Q589 Q599 Q833	8-729-920-48 8-729-920-48 8-729-216-22 8-729-920-48 8-729-216-22	TRANSISTOR 1MH2 TRANSISTOR 1HH2 TRANSISTOR 2SAI162-G TRANSISTOR 1MH2 TRANSISTOR 2SAI162-G			R536 R537 R538 R538 R539	1-212-881-11 1-215-867-00 1-216-095-00 1-216-095-00 1-216-101-00	FUSIBLE METAL OXIDE	100 470 82K 82K 150K	5%	1/40 1W 1/10W 1/10W 1/10W	
	Q834 Q835 Q836 Q1601 Q1602	8-729-422-27 8-729-422-27 8-729-255-12 8-729-422-27 8-729-422-27	TRANSISTOR 2SD601A-Q TRANSISTOR 2SD601A-Q TRANSISTOR 2SC2551-0 TRANSISTOR 2SD601A-Q TRANSISTOR 2SD601A-Q			R541 R542 R543 R544	1-216-063-00 1-216-075-00 1-216-065-00 1-216-101-00 1-216-041-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE		5%	1/10W 1/10W 1/10W 1/10W 1/10W	
	Q1603 Q1604 Q1605 Q1606 Q1607	8-729-422-27 8-729-216-22 8-729-119-80 8-729-133-42 8-729-422-27	TRANSISTOR 2SD601A-Q TRANSISTOR 2SA1162-G TRANSISTOR 2SC2688-L TRANSISTOR 2SC2334-L TRANSISTOR 2SD601A-Q			8546 R547 R548 R549 R550	1-216-091-00 1-216-121-00 1-216-107-00 1-216-101-00 1-216-354-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL OXIDE	56K 18 270K 150K 2.7	5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	D 3
	Q1608 Q1609 Q1610 Q1611 Q1612	8-729-422-27 8-729-422-27 8-729-422-27 8-729-422-27 8-729-422-27	METAL GLAZE 0 5% 1 L> INDUCTOR 33MMR NUMBER NUMBER			R552 R553 R554 R555 R557	1-216-061-00 1-216-091-00 1-216-073-00 1-216-077-00 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	3.3K 56K 10K 15K 2.2K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
	U1514	8-129-422-21	TRANSISTOR 2SD601A-Q TRANSISTOR 2SD601A-Q TRANSISTOR 2SA1162-G			R558 R559	1-216-049-00 1-216-065-00		1K 4.7K	5% 5%	1/10V 1/10V	



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REF. NO.	PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK	
R560 R561 R562 R563 R564	1-216-037-00 1-216-085-00 1-216-057-00 1-216-065-00 1-249-410-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE CARBON	330 33K 2.2K 4.7K 270	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/4W	F	R1519 R1520 R1601 R1602 R1603	1-216-031-00 1-216-057-00 1-216-685-11 1-216-681-11 1-216-671-11		180 2.2K 27K 18K 6.8K	5% 0.50% 0.50%	1/10W 1/10W 1/10W 1/10W 1/10W		
R565 R566 R567 R568 R569	1-216-059-00 1-216-025-00 1-216-095-00 1-216-063-00 1-216-063-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	2.7K 100 82K 3.9K 3.9K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R1604	1-249-433-11 1-216-070-00 1-216-070-00 1-216-071-00 1-216-065-00	CARBON METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	6.8K 22K 7.5K 7.5K 8.2K 4.7K 6.8K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W	F	
R570 R571 R572 R573 R574	1-216-093-00 1-216-089-00 1-216-095-00 1-216-063-00 1-216-063-00	NETAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	68K 47K 82K 3.9K 3.9K	57 57 57 57	1/10W 1/10W 1/10W 1/10W 1/10W		R1609 R1610 R1611 R1612 R1613	1-216-069-00 1-216-057-00 1-216-057-00 1-215-913-11 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL OXIDE METAL GLAZE	2.2K 2.2K 220 100	5% 5% 5%	1/10W	,	
R575 R576 R577 R578 R579	1-216-105-00 1-216-109-00 1-216-105-00 1-249-457-11 1-249-457-11	NETAL GLAZE NETAL GLAZE HETAL GLAZE CARBON CARBON	220K 330K 220K 6.8 6.8	57	1/49	F	R1615 R1616 R1617 R1618	1-216-067-00 1-216-657-11 1-216-629-11 1-216-659-11 1-216-073-00 1-216-065-00	METAL CHIP METAL CHIP METAL CHIP METAL CHIP METAL GLAZE	5.6K 1.8K 120 2.2K 10K	0.50% 0.50% 0.50% 5% 5%			
R580 R590 R591 R592 R831	1-216-001-00 1-216-105-00 1-216-063-00 1-216-033-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10 220K 3.9K 220 1K	5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R1620 R1621 R1622 R1623 R1624	1-216-073-00 1-216-073-00 1-216-073-00 1-216-246-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 10K 10K 10K 10K 100K 3.3K		1/10W 1/10W 1/10W 1/8W		
R832 R833 R834 R835 R836	1-216-075-00 1-216-065-00 1-216-059-00 1-216-081-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	12K 4.7K 2.7K 22K 1K	57 57 57	1/10W 1/10W 1/10W 1/10W 1/10W		R1626 R1627 R1628 R1629	1-216-061-00 1-216-065-00 1-216-049-00 1-216-073-00 1-216-683-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL CHIP	4.7K 1K 10K 22K 22K	57	1/10W 1/10W 1/10W 1/10W 1/10W		
R837 R838 R839 R840 R841	1-216-075-00 1-216-049-00 1-216-061-00 1-216-097-00 1-216-093-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	12K 1K 3.3K 100K 68K	577	1/10W 1/10W 1/10W 1/10W 1/10W		R1630 R1631 R1632 R1633 R1634	1-216-683-11 1-216-057-00 1-216-042-00 1-216-109-00 1-216-099-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	2.2K 510 330K 120K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W		
R842 R843 R844 R847 R850	1-216-093-00 1-216-065-00 1-216-077-00 1-216-049-00 1-216-085-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	68K 4.7K 15K 1K 33K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R1636 R1640 R1641 R1642	1-216-097-00 1-216-073-00 1-216-063-00 1-216-073-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100K 10K 3.9K 10K 10K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		
R851 R852 R853 R854 R855	1-216-669-11 1-216-675-11 1-216-105-00 1-218-754-11 1-216-697-11	METAL CHIP METAL CHIP METAL GLAZE METAL CHIP METAL CHIP	5.6K 10K 220K 120K 82K	0.50% 0.50% 5% 0.50% 0.50%	1/10W 1/10W 1/10W 1/10W		R1647	1-216-069-00 1-216-069-00 1-216-073-00 1-216-073-00 1-216-685-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL CHIP	6,8K 10K 10K 27K	5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		
R856 R857 R858 R859 R860	1-218-755-11 1-216-686-11 1-216-061-00 1-216-436-00 1-216-679-11	METAL CHIP METAL CHIP METAL GLAZE METAL OXIDE METAL CHIP	130K 30K 3.3K 3.9K 15K		1710#	F	R1649 R1650 R1651 R1652	1-216-069-00 1-216-069-00 1-216-069-00 1-216-069-00 1-216-069-00	METAL GLAZE METAL GLAZE METAL GLAZE	6.8K 6.8K 6.8K 6.8K	57 57 57	1/10W 1/10W 1/10W 1/10W		
	1-216-672-11 1-216-675-11 1-249-435-11 1-216-049-00 1-216-689-11	METAL CHIP METAL CHIP CARBON METAL GLAZE METAL CHIP	7.5K 10K 33K 1K 39K	5% 0.50%	1/10W	F	R1656 R1657	1-216-069-00 1-216-681-11 1-216-081-00 1-216-643-11 1-216-081-00	METAL CHIP METAL CHIP METAL CHIP METAL CHIP METAL GLAZE	6.8K 22K 470 22K	0.50% 5% 0.50% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		
R1505 R1506 R1507 R1508 R1509	1-216-089-00 1-216-667-11 1-216-081-00 1-216-073-00 1-216-065-00	METAL GLAZE METAL CHIP METAL GLAZE METAL GLAZE METAL GLAZE	47K 4.7K 22K 10K 4.7K		1/100		R1659 R1660	1-216-063-00 1-216-049-00 1-216-649-11 1-216-065-00	METAL GLAZE METAL GLAZE METAL CHIP METAL GLAZE	3.9K 1K 820 4.7K	57 0.50%	17100		
R1510 R1511 R1512 R1513	1-249-425-11 1-216-033-00 1-216-049-00 1-216-017-00	CARBON METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 220 1K 47	5% 5% 5%	1/4W 1/10W 1/10W 1/10W	P	RV501		RES, ADJ, CAR		K			

The components identified by B in this manual have been carefully fectory-selected for each set in order to satisfy regulations regularing. Yary addition. Should replacement be required, replace only with the value originally used.

The components identifies particles of the components identifies particles. Should replacement be required, replace only with the value originally used.

The components identifies particles are set in the components identifies particles are in the components in the components identifies particles. The components identifies particles are components identifies particles are components identifies particles. The components identifies particles are components identifies particles are components identifies particles. The components identifies particles are components identifies particles are components identifies particles. The components identifies particles are components identifies particles are components identifies particles are components. The components identifies particles are components identifies particles are components identifies particles are components. The components identifies particles are components identifies particles are components identifies particles are components. The components identifies particles are components identifies particles are components. The components identifies particles are components in the components identifies particles are components. The components identifies are components in the components in the components identifies are components. The components identifies are components in the components in th

The components identified by shading and mark. A are critical for safety.
Replace only with part number specified.

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REF. NO	. PART NO.	DESCRIPTION				DESCRIPTION			REMARK
RV502 RV503 RV504 RV505 RV506	1-224-250-XX 1-238-009-11	RES, ADJ, CABBON 22K RES, ADJ, CEBMET 4.7K RES, ADJ, HETAL GLAZE 2. RES, ADJ, CABBON 220 RES, ADJ, CARBON 1K	2X	CN 1101	<00N *1-565-488-11	CONNECTOR, BO	DARD TO	BOARD 12P	
RV507 RV508 RV509 RV511 RV512	1-241-627-11	RES. ADJ. CARBÓN 2.2K RES. ADJ. CARBON 1K RES. ADJ. CARBON 100K			< D10	05>			
RV514 RV515 RV516 RV831 RV832	1-238-021-11 1-241-763-11 1-228-007-00	RES, ADJ, CARBON 220K RES, ADJ, CERMET 4.7K	ook .	JC1101	<10> 8-752-056-67 <091	IC CXA1214P			
₩R¥833 R¥160 R¥160 ₩R¥160	& 1 228 997 11 1 1-241-762-11 2 1-241-627-11 341 228 996 11	RES, ADJ, CERRET 10X RES, ADJ, CERRET 2.2K RES, ADJ, CARBON 1K	50K 25 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	L1101 L1102 L1103 L1104 L1110	1-408-411-00 1-404-496-00 1-404-496-00 1-408-411-00 1-412-008-31	INDUCTOR COIL COIL INDUCTOR INDUCTOR CHI	150H 150H 150H		, (d. 1,54
	1 1-515-481-21	RELAY (G2R-212P-V)		1 11111	17412-008-51	INDUCTOR CRIT	1500		
	1-437-216-11 <thi< td=""><td>TBANSFORMER, DRIVE</td><td></td><td>Q1101 Q1102 Q1103 Q1104 Q1105</td><td>8-729-216-22 8-729-422-27 8-729-216-22 8-729-216-22 8-729-901-01</td><td>TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR DI</td><td>SA1162-G 50601A-Q SA1162-G SA1162-G FC144EK</td><td></td><td></td></thi<>	TBANSFORMER, DRIVE		Q1101 Q1102 Q1103 Q1104 Q1105	8-729-216-22 8-729-422-27 8-729-216-22 8-729-216-22 8-729-901-01	TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR DI	SA1162-G 50601A-Q SA1162-G SA1162-G FC144EK		
TH501	1-807-971-11	THERMISTOR		Q1106 Q1107 Q1108	8-729-901-01 8-729-109-44 8-729-422-27	TRANSISTOR DI TRANSISTOR 25 TRANSISTOR 25	C144EK		
	A-1394-392-A	S BOARD. COMPLETE			<res< th=""><th></th><th></th><th>FM 1.450</th><th></th></res<>			FM 1.450	
		PACITOR>		R1101 R1102 R1103	1-216-053-00 1-216-067-00 1-216-059-00	METAL GLAZE METAL GLAZE METAL GLAZE	1.5K 5.6K 2.7K 10K 180	5% 1/10W 5% 1/10W 5% 1/10W	
C1101 C1102 C1103 C1104			5% 50V 10% 25V 20% 16V 50V 50V	R1104 R1105 R1106	1-216-073-00 1-216-031-00 1-216-059-00	METAL GLAZE METAL GLAZE METAL GLAZE			1
C1105 C1106 C1107	1-163-114-00 1-163-101-00	CERAMIC CHIP 0.01MF CERAMIC CHIP 75PF		R1107 R1108	1-216-071-00 1-216-039-00 1-216-063-00 1-216-069-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	8.2X 390 3.9K 6.8X	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W	
C1108	1-163-119-00 1-163-031-11	CERANIC CHIP 120PF CERANIC CHIP 0.01MF CERANIC CHIP 100PF	J.6 JUT.	R1111	1-216-065-00 1-216-059-00 1-216-069-00	METAL GLAZE		5% 1/10W 5% 1/10W	27.7.7 2.7.7.7
C1111 C1112 C1113	1-126-160-11 1-163-119-00	CERAMIC CHIP 0.0056MF ELECT IMF CERAMIC CHIP 120PF CERAMIC CHIP 27PF CERAMIC CHIP 0.1MF	107 50V 207 50V 57 50V	R1115	1-216-061-00	METAL GLAZE HETAL GLAZE HETAL GLAZE		1 1 1	
C1114 C1115	1-164-004-11			01110	1-216-069-00 1-216-061-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	6.8K 3.3K 10K	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W	
C1116 C1117 C1118 C1119	1-124-589-11 1-164-004-11 1-163-020-00	CERAMIC CHIP 0.0082MF	5% 50V 20% 16V 10% 25V 10% 50V	R11120 R1121	1-216-049-00 1-216-097-00	METAL GLAZE			
C1121	1-163-097-00	CERAMIC CHIP 15PF	5% 50V	R1122 R1123 R1124	1-216-039-00 1-216-065-00 1-216-029-00 1-216-029-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1% 390 4.7K 150	5% 1/10W 5% 1/10W 5% 1/10W	
C1122 C1123 C1130 C1131	1-163-097-00 1-163-097-00	CERAMIC CHIP 5PF CERAMIC CHIP 15PF CERAMIC CHIP 15PF CERAMIC CHIP 15PF	0.25PF 50V 52 50V 52 50V 53 50V	R1126	1-216-029-00 1-216-053-00 1-216-043-00 1-216-049-00	WETAL GLAZE	1.58	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W	
				n 1125	1-210-049-00	METAL GLAZE	IN .	3/4 1/10W	